

# Utah Water Supply Outlook Report

May, 2010



**The Uintah Mountains.**

# **Water Supply Outlook Reports and Federal - State - Private Cooperative Snow Surveys**

---

*For more water supply and resource management information, contact:*

**Snow Survey Staff, 245 N Jimmy Doolittle Rd, SLC Utah, 84041 - Phone: (801)524-5213**

**Charles B. Frear, Area Conservationist, 340 N. 600 E., Richfield, UT 84701 - Phone: (435) 896-6441**

**Kerry Goodrich, Area Conservationist, 2871 S Commerce Way, Ogden UT 84401 (801)629-0580 x15**

**Barry Hamilton, Area Conservationist, 540 W, Price River Dr. Price, UT 84501-2813 - Phone: (435) 637-0041**

**Internet Address: <http://www.ut.nrcs.usda.gov/snow/>**

---

## ***How forecasts are made***

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

# **STATE OF UTAH GENERAL OUTLOOK**

**May 1, 2010**

## **SUMMARY**

The first week of April had some phenomenal storms for northern Utah bringing nearly 1/3 of all the snowpack we have received this year in that short time frame. While those storms did not bring snowpacks up to average conditions, they did take a bit of the edge off a rather dry runoff season. Mid April was a bit dry but the end of the month has again brought very cool temperatures as well as more snow and precipitation. Snowmelt during April was 28% to 88% of average in northern Utah and 121% to 141% of average in southern Utah. Bottom line is northern Utah is still very dry with snowpacks in the 60%-80% of average range with southern Utah packs ranging in the 100% to 160% of average. April precipitation was above to much above normal (129%-151%) in northern Utah and near normal (95%-106%) in the south which brings the year to date precipitation to below normal in the north and near to above average in the south. Current soil moisture saturation levels in runoff producing areas are: Bear – 71%, Weber – 68%, Provo – 65%, Uintah Basin – 55%, SE Utah – 69%, Sevier – 61% and SW Utah – 70%, up substantially from last month as active snowmelt is charging those soils. Dryer soils typically mean less runoff from snowmelt and this year it is apparent that these losses will be larger than recent years. Reservoir storage is currently at 73% of capacity statewide compared to 70% last year. General water supply conditions are below to much below average in northern Utah, above average on the Virgin and near to below average in central Utah. Streamflow forecasts range from 26% for the Bear River at Stewart Dam to 156% of average at Sevier River at Hatch. Surface Water Supply Indices range from 22% on the Bear River to 80% for the Virgin.

## **SNOWPACK**

May first snowpacks as measured by the NRCS SNOTEL system are as follows: Bear - 59%, Weber - 73%, Provo - 79%, Uintahs - 74%, southeast Utah - 79%, Sevier - 112%, southwest Utah - 152% and the statewide figure is 81% of average. Cool and wet conditions during April slowed snowmelt in the north. In southern Utah, which had extensive snowpacks at lower elevations, even cool and wet conditions did not slow the melt with average April snowmelt ranging between 111% and 141% of normal. May climate can still significantly impact snowmelt runoff with cool, wet conditions enhancing runoff and warm, dry conditions reducing flows.

## **PRECIPITATION**

Mountain precipitation during April was: Bear – 142%, Weber – 146%, Provo – 151%, Uintahs – 129%, SE Utah – 106%, Sevier – 104%, SW Utah – 95% and the statewide figure is 87% of average. This brings the seasonal accumulation (Oct-April) to 87% of average statewide.

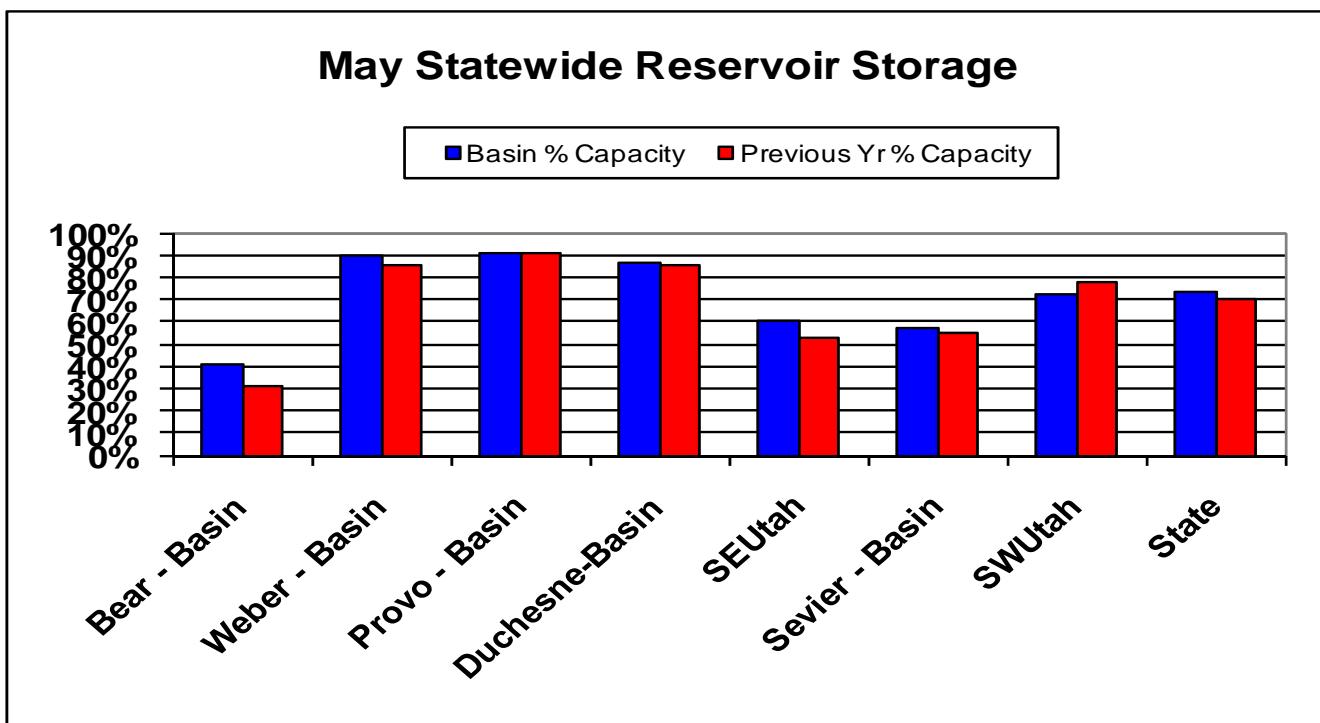
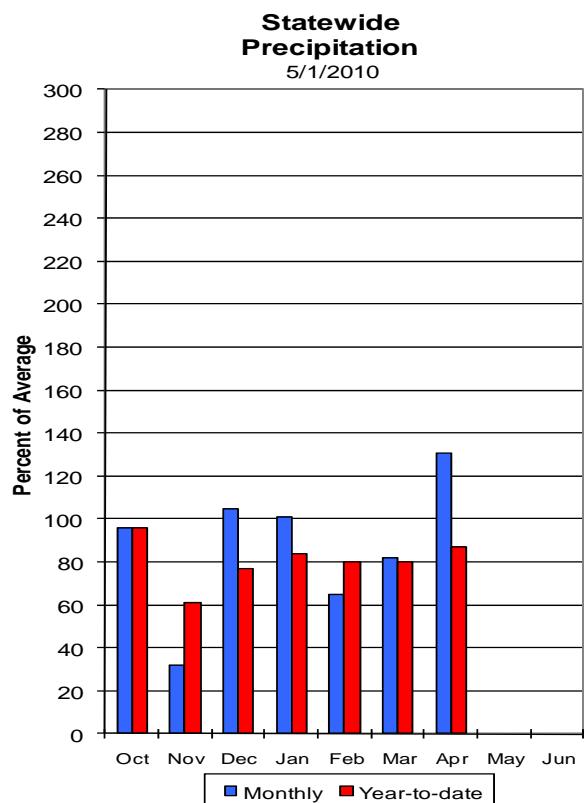
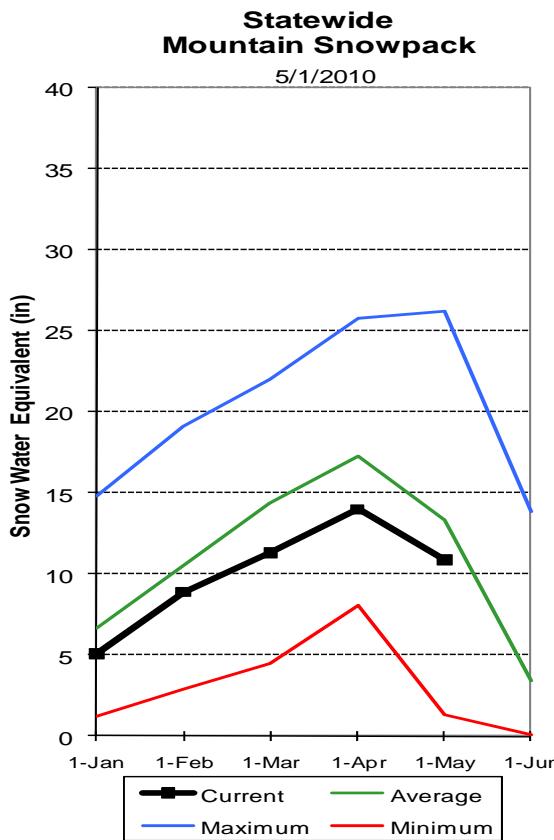
## **RESERVOIRS**

Storage in 41 of Utah's key irrigation reservoirs is at 73% of capacity up 3% compared to May of last year. Reservoir operations in northern Utah have been capturing every drop whereas in southern Utah, space has been created in some reservoirs in anticipation of higher runoff. Given the bleak runoff forecast in northern Utah, some reservoirs may not fill and most will not stay full very long as declining streamflows will be outpaced by demand.

## **STREAMFLOW**

Snowmelt streamflows are expected to have a wide range from much below average to above average across the state of Utah this year. Forecast streamflows range from 26% for the Bear

River at Stewart Dam to 156% of average at Sevier River at Hatch. Most flows are forecast to be in the 50% to 120% range.

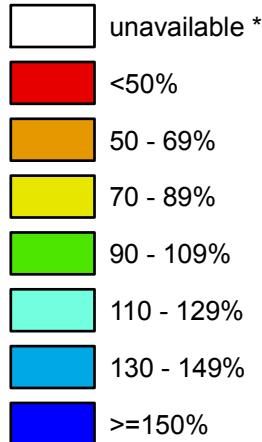


# Utah

## SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

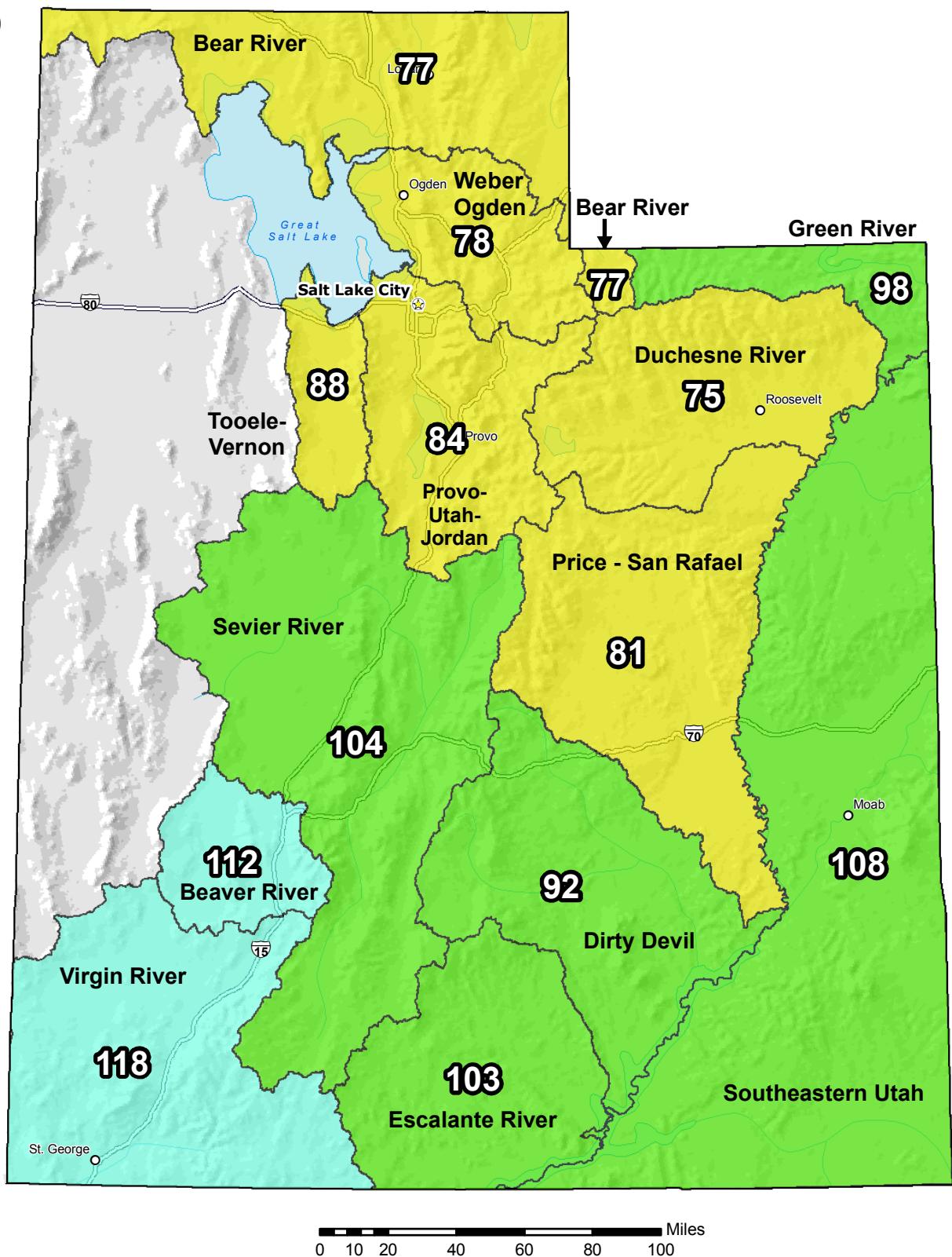
**May 01, 2010**

**Water Year  
(Oct 1) to Date  
Precipitation  
Basin-wide  
Percent of  
1971-2000  
Normal**



\* Data unavailable at time  
of posting or measurement  
is not representative at this  
time of year

**Provisional Data  
Subject to Revision**



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

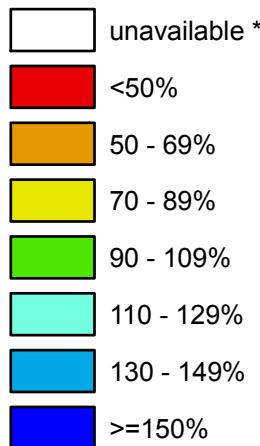
Prepared by the USDA/NRCS National Water and Climate Center  
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>  
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>  
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

# Utah

## SNOTEL Current Snow Water Equivalent (SWE) % of Normal

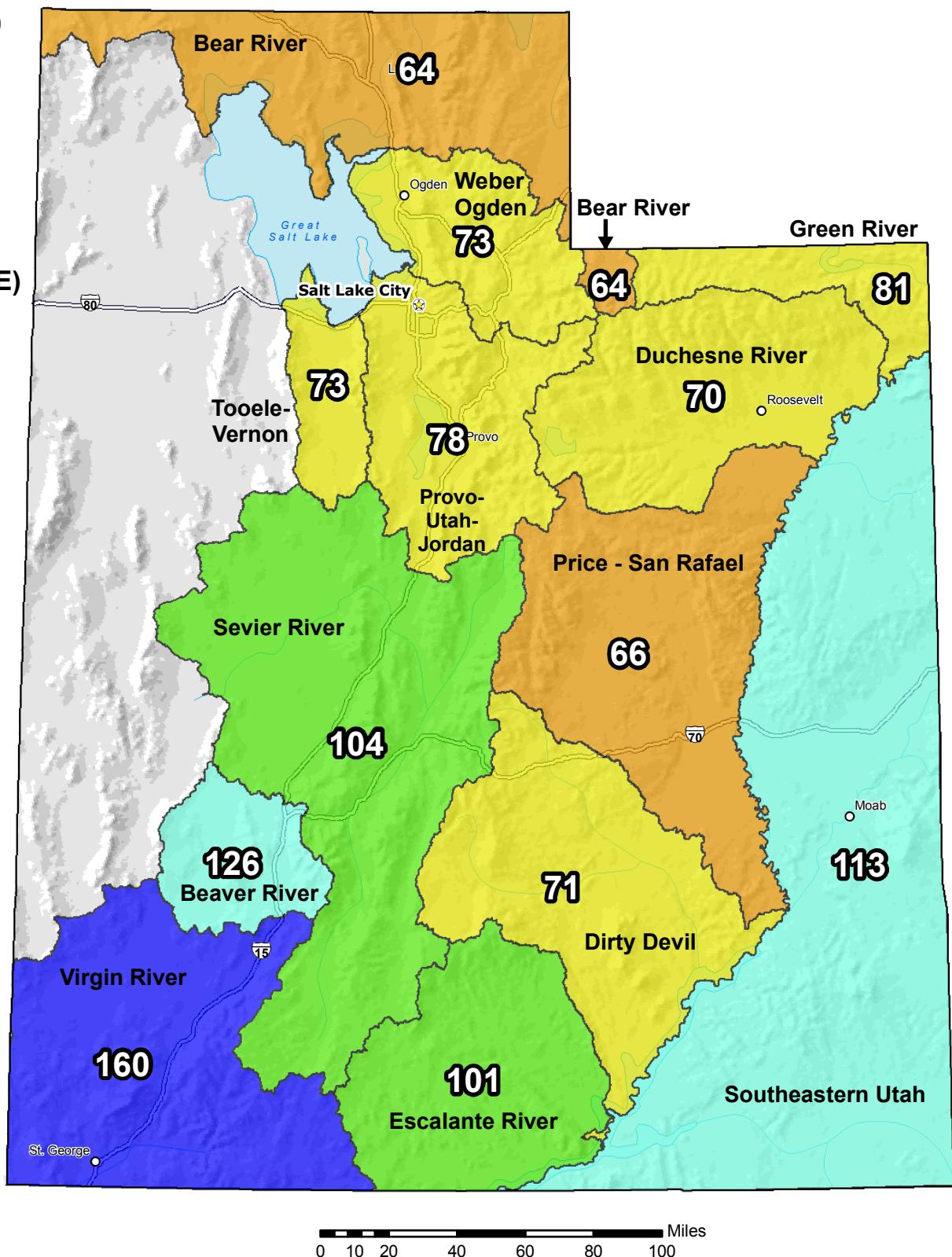
**May 01, 2010**

**Snow Water  
Equivalent (SWE)  
Basin-wide  
Percent of  
1971-2000  
Normal**



\* Data unavailable at time  
of posting or measurement  
is not representative at this  
time of year

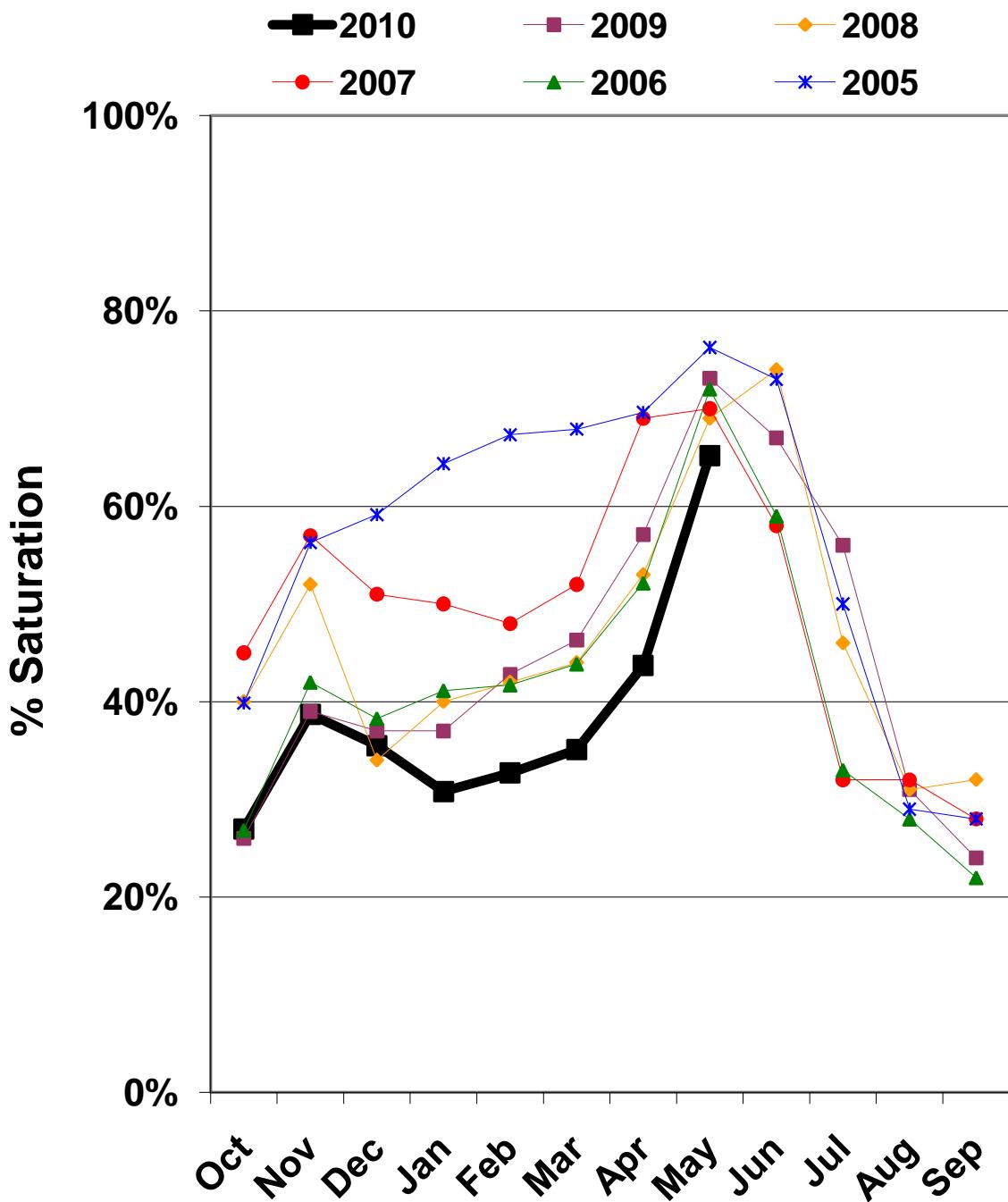
**Provisional Data  
Subject to Revision**



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by the USDA/NRCS National Water and Climate Center  
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>  
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>  
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

# Statewide Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

# Surface Water Supply Index

April 1, 2010 Basin or Region	SWSI	Percentile	Years with Similar SWSI
Bear River	-2.30	22%	33,02,07,09
Ogden River	-1.23	35%	94,96,00,02
Weber River	-2.78	17%	88,90,92,07
Provo	-1.04	38%	07,90,08,81
West Uintah Basin	-0.91	39%	91,81,74,80
East Uintah Basin	-0.52	44%	91,80,96,00
Price River	-1.60	31%	94,08,01,93
Joe's Valley	-1.27	35%	89,94,07,04
Ferron Creek	-2.03	26%	94,88,00,07
Moab	1.04	63%	91,07,94,97
Upper Sevier River	-1.25	35%	09,90,02,54
Lower Sevier River	-0.32	46%	01,09,71,68
Beaver River	1.00	62%	78,87,75,93
Virgin River	2.50	80%	06,88,98,93

SWSI Scale: -4 to 4 | Percentile: 0 - 100%

## What is a Surface Water Supply Index?

The Surface Water Supply Index (SWSI) is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

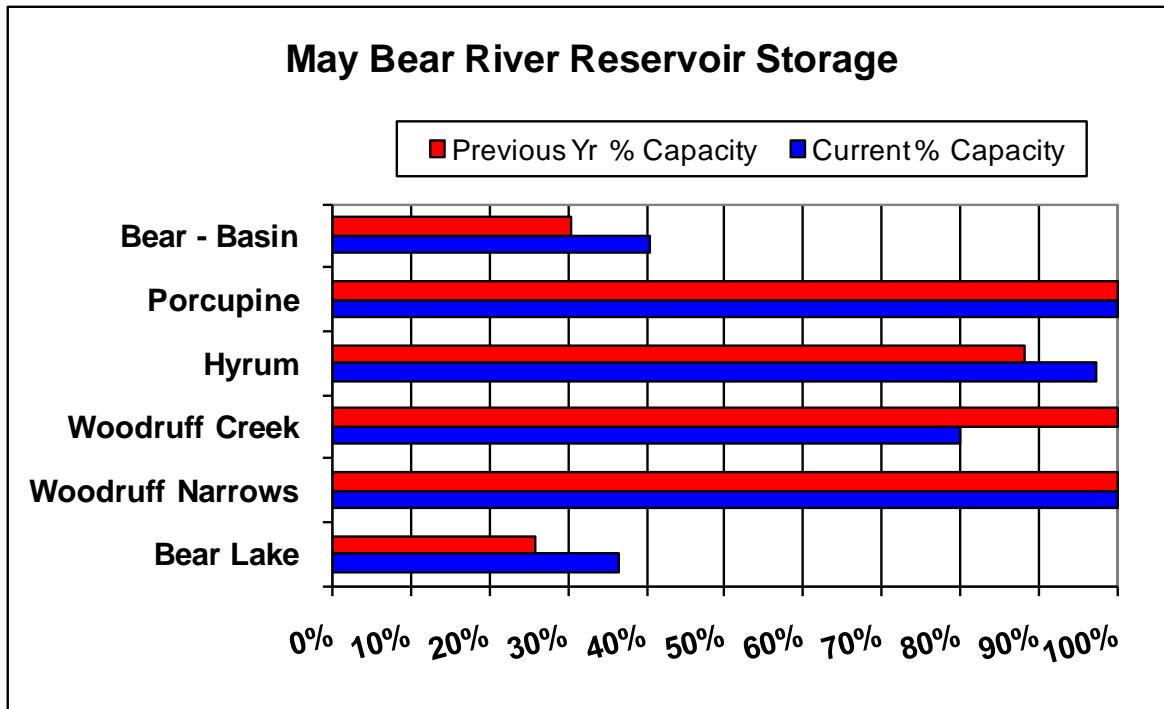
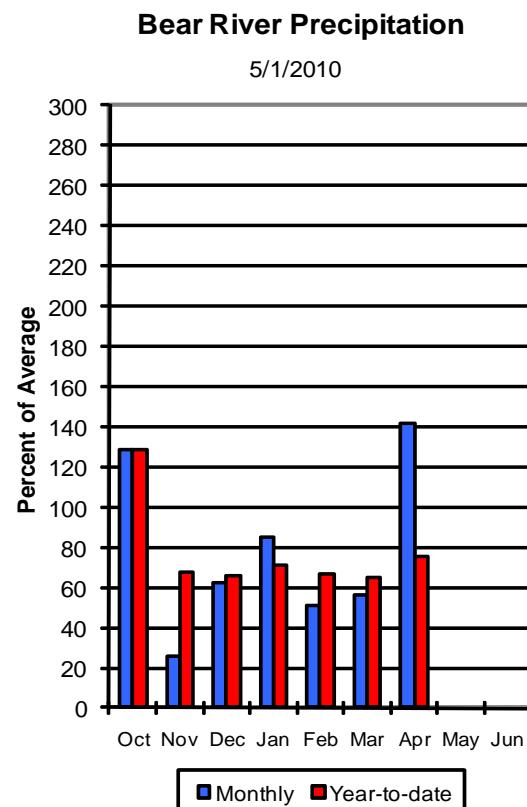
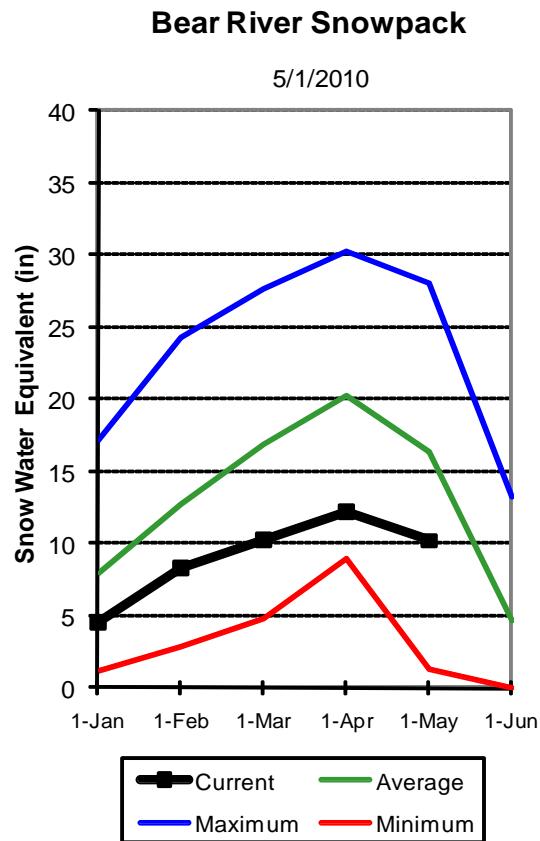
Utah Snow Surveys has also chosen to display the SWSI as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has the simplest application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is far more intuitive for most people and is totally comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

For more information on the SWSI go to: [www.ut.nrcs.usda.gov/snow/](http://www.ut.nrcs.usda.gov/snow/) on the water supply page. The entire period of historical record for reservoir storage and streamflow is available.

## Bear River Basin

May 1, 2010

Snowpacks on the Bear River Basin are much below average at 59% of normal, about 60% of last year. Individual sites range from no snow at low elevation sites to 100% of normal at Howell Canyon Snotel. April precipitation was much above average at 142%, which brings the seasonal accumulation (Oct-April) to 75% of average. Soil moisture levels in runoff producing areas are at 71% of saturation in the upper 2 feet of soil compared to 74% last year. Forecast streamflows (May-July) range from much below to below average (27%-79%) volumes for this spring and summer. Reservoir storage is low at 41% of capacity, which is up 11% from this time last year. The Surface Water Supply Index is at 22% for the Bear River, in other words, 78% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage in Bear Lake.



## BEAR RIVER BASIN as of May 1, 2010

BEAR RIVER BASIN Streamflow Forecasts - May 1, 2010									
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>							
		Chance Of Exceeding *		30% (1000AF)		10% (1000AF)		30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)	
Bear R nr UT-WY State Line	APR-JUL	66	80	89	79	98	112	113	
	MAY-JUL	63	76	84	79	92	105	107	
Bear R abv Resv. nr Woodruff	APR-JUL	57	75	88	65	101	119	136	
	MAY-JUL	44	61	73	63	85	102	116	
Big Creek nr Randolph	APR-JUL	1.96	2.50	2.80	57	3.10	3.60	4.90	
	MAY-JUL	0.81	1.70	2.50	58	3.40	5.10	4.30	
Smiths Fk nr Border, WY	APR-JUL	40	51	58	56	65	76	103	
	MAY-JUL	32	43	51	54	59	70	95	
Bear R blw Stewart Dam	APR-JUL	5.0	40	60	26	95	147	234	
	MAY-JUL	4.0	22	50	27	78	119	186	
Little Bear at Paradise, UT	APR-JUL	2.1	11.3	17.6	38	24	33	46	
	MAY-JUL	0.6	5.1	11.0	34	16.9	26	32	
Logan R nr Logan, UT	APR-JUL	47	61	70	56	79	93	126	
	MAY-JUL	37	51	60	56	69	83	108	
Blacksmith Fk nr Hyrum, UT	APR-JUL	2.0	14.8	24	50	32	45	48	
	MAY-JUL	1.2	10.1	18.0	45	26	38	40	
Dunn Ck nr Park Valley	APR-JUL	0.20	1.00	1.50	48	2.80	3.90	3.10	
	MAY-JUL	0.10	0.80	1.30	46	2.00	3.60	2.80	

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of April				BEAR RIVER BASIN Watershed Snowpack Analysis - May 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of	Last Yr	Average
		This Year Year	Last Year Avg					
BEAR LAKE	1302.0	476.7	337.4	---	BEAR RIVER, UPPER	8	66	66
HYRUM	15.3	14.9	13.5	13.2	BEAR RIVER, LOWER	9	58	54
PORCUPINE	11.3	11.3	11.3	9.5	LOGAN RIVER	4	61	61
WOODRUFF NARROWS	57.3	57.3	57.3	38.5	RAFT RIVER	1	84	100
WOODRUFF CREEK	4.0	3.2	4.0	---	BEAR RIVER BASIN	17	60	59

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

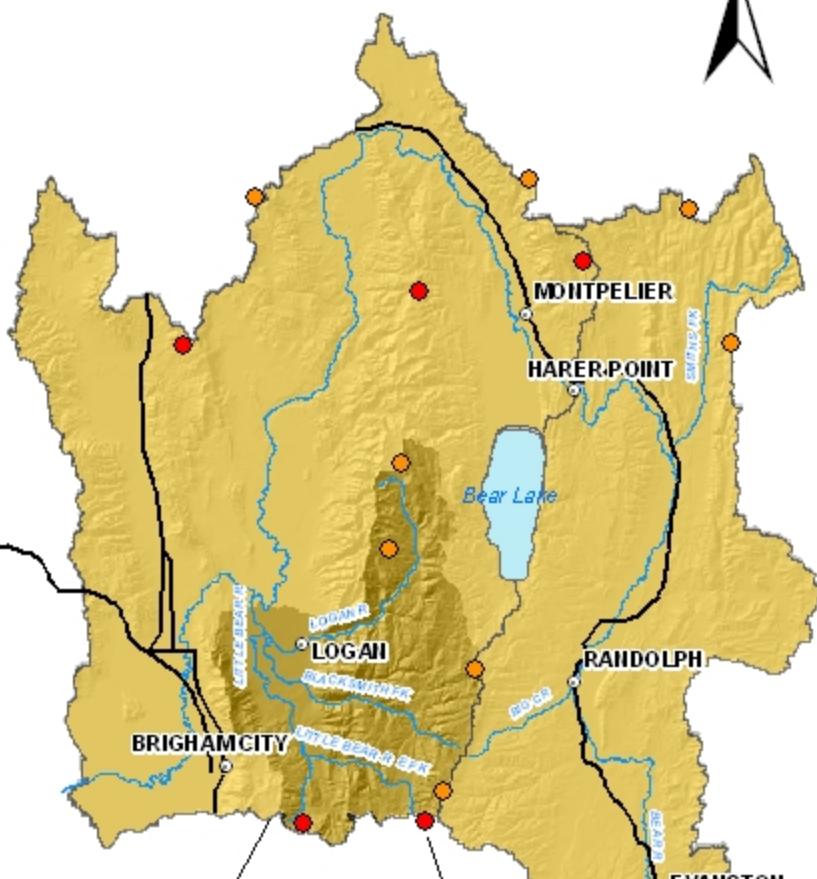
# Bear River & Raft River Basins

## Basinwide Average

Snotel % of Average

59 %

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%

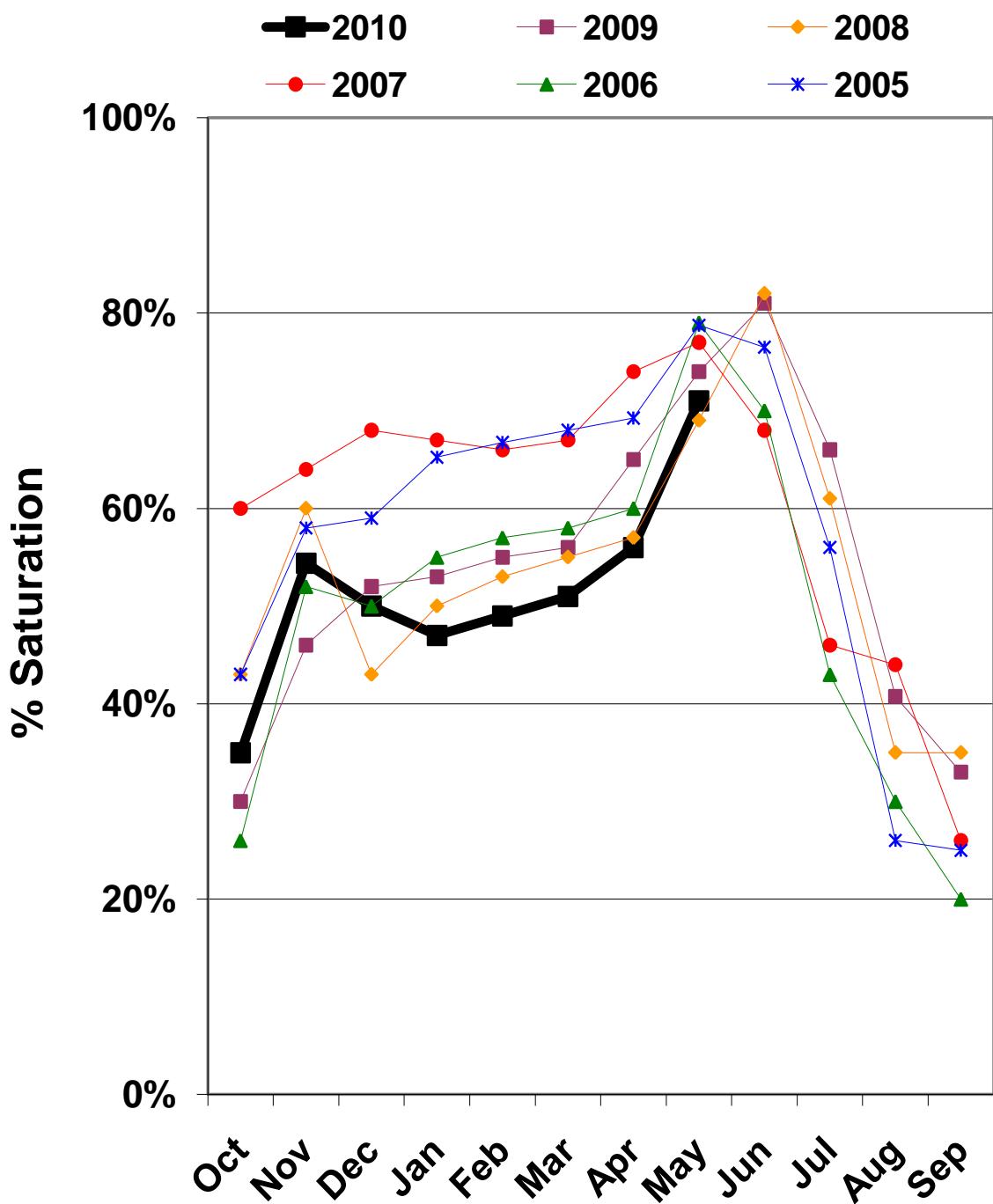


Watershed % of Average

- 0
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109 %
- 110 - 129%
- 130 - 149%
- >150%



# Bear River Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

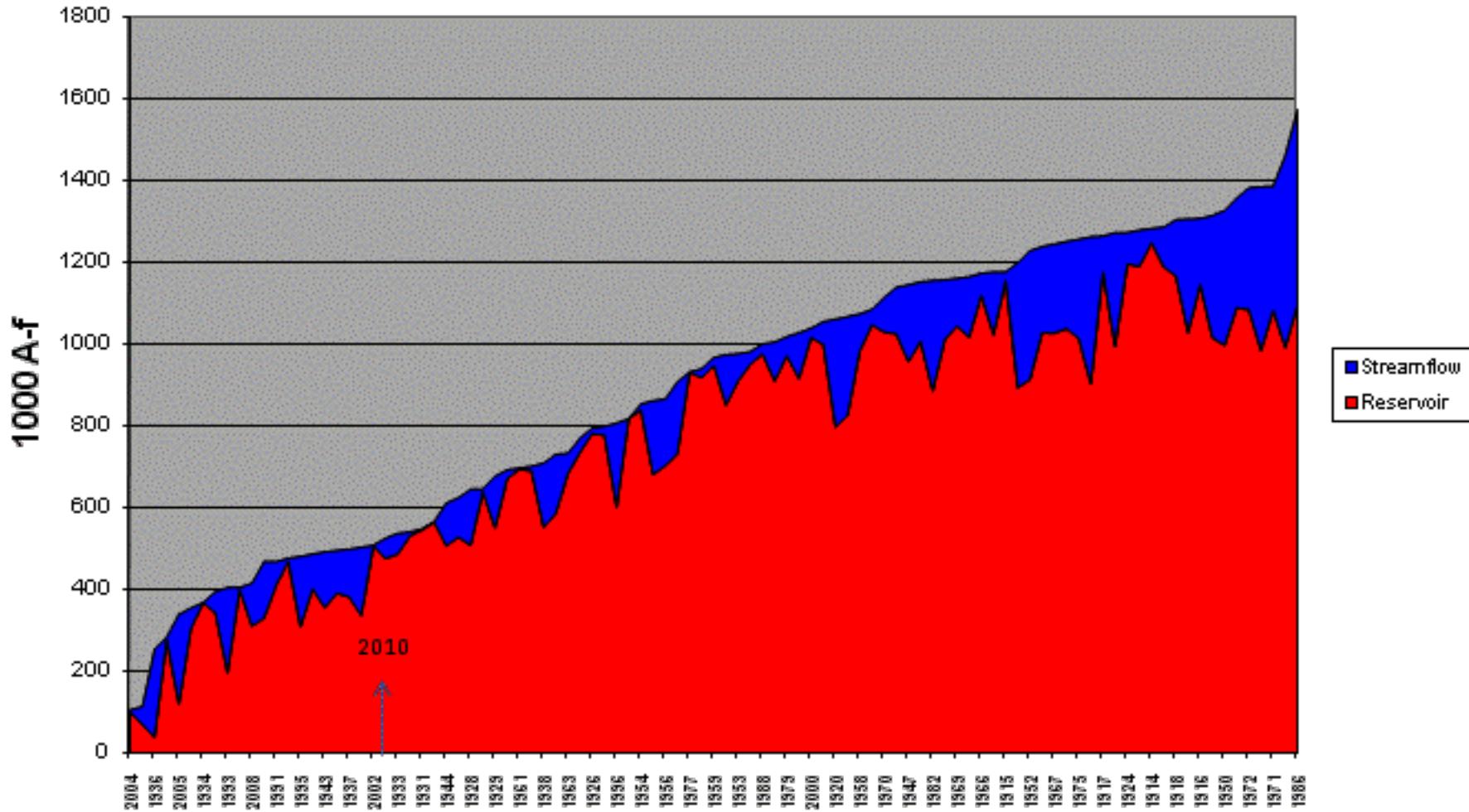
Bear Lake SWSI						
May 1						
#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	2004	101	6	107	1	-4.08
2	1935	71	44	115	2	-4.00
3	1936	39	216	255	3	-3.91
4	2003	278	7	285	4	-3.83
5	2005	122	219	341	5	-3.74
6	1941	306	50	356	6	-3.66
7	1934	368	1	369	7	-3.57
8	1942	344	51	396	8	-3.49
9	1993	198	208	406	9	-3.40
10	1992	401	5	406	10	-3.32
11	2008	312	104	416	11	-3.23
12	1932	331	138	469	12	-3.15
13	1991	411	58	469	13	-3.06
14	1994	469	8	478	14	-2.98
15	1995	310	172	482	15	-2.89
16	1927	402	85	488	16	-2.81
17	1943	357	136	493	17	-2.72
18	2006	392	105	497	18	-2.64
19	1937	383	117	500	19	-2.55
20	2009	337	167	504	20	-2.47
21	2002	508	1	509	21	-2.38
22	<b>2010</b>	<b>477</b>	<b>50</b>	<b>527</b>	<b>22</b>	<b>-2.30</b>
23	1933	488	51	538	23	-2.21
24	2007	532	10	542	24	-2.13
25	1931	547	3	549	26	-2.04
26	1940	565	2	567	27	-1.96
27	1944	508	105	613	28	-1.87
28	1945	529	96	625	29	-1.79
29	1928	509	137	646	30	-1.70
30	1990	640	8	647	31	-1.62
31	1929	551	126	678	32	-1.53
32	1955	672	22	694	33	-1.45
33	1961	695	2	698	34	-1.36
34	1930	691	12	703	35	-1.28
35	1938	553	157	710	36	-1.19
36	1962	587	144	731	37	-1.11
37	1963	684	50	734	38	-1.02
38	1939	737	34	771	39	-0.94
39	1926	782	13	796	40	-0.85
40	1989	778	22	800	41	-0.77
41	1996	603	205	808	42	-0.68
42	2001	818	1	819	43	-0.60
43	1954	840	14	854	44	-0.51
44	1964	682	181	862	45	-0.43
45	1956	703	163	866	46	-0.34
46	1978	732	176	908	47	-0.26
47	1977	931	1	933	48	-0.17
48	1960	919	21	941	49	-0.09
49	1959	948	20	968	50	0.00
50	1946	852	123	975	51	0.09

May data

51	1953	911	66	977	52	0.17
52	1981	951	31	982	53	0.26
53	1988	977	25	1002	54	0.34
54	1925	910	95	1006	55	0.43
55	1979	972	47	1019	56	0.51
56	1949	916	112	1029	57	0.60
57	2000	1017	23	1040	58	0.68
58	1987	1000	56	1056	59	0.77
59	1920	798	263	1062	60	0.85
60	1957	827	241	1068	61	0.94
61	1958	984	91	1075	62	1.02
62	1919	1047	38	1086	63	1.11
63	1970	1031	84	1115	64	1.19
64	1968	1026	114	1140	65	1.28
65	1947	958	188	1146	66	1.36
66	1973	1007	146	1153	67	1.45
67	1982	886	270	1156	68	1.53
68	1985	1012	145	1158	69	1.62
69	1969	1045	117	1162	70	1.70
70	1976	1018	147	1165	71	1.79
71	1966	1120	54	1174	72	1.87
72	1948	1024	154	1177	73	1.96
73	1915	1156	22	1178	74	2.04
74	1965	894	306	1200	76	2.13
75	1952	914	315	1229	77	2.21
76	1951	1028	211	1239	78	2.30
77	1967	1027	218	1245	79	2.38
78	1974	1038	214	1252	80	2.47
79	1975	1015	242	1257	81	2.55
80	1997	904	359	1263	82	2.64
81	1917	1177	88	1265	83	2.72
82	1980	995	278	1273	84	2.81
83	1924	1196	78	1274	85	2.89
84	1923	1191	88	1279	86	2.98
85	1914	1248	36	1283	87	3.06
86	1922	1190	97	1287	88	3.15
87	1918	1167	138	1305	89	3.23
88	1998	1028	278	1307	90	3.32
89	1916	1146	162	1308	91	3.40
90	1999	1017	299	1315	92	3.49
91	1950	998	330	1327	93	3.57
92	1921	1089	268	1358	94	3.66
93	1972	1085	298	1383	95	3.74
94	1983	985	401	1385	96	3.83
95	1971	1083	304	1387	97	3.91
96	1984	992	470	1462	98	4.00
97	1986	1097	476	1573	99	4.08

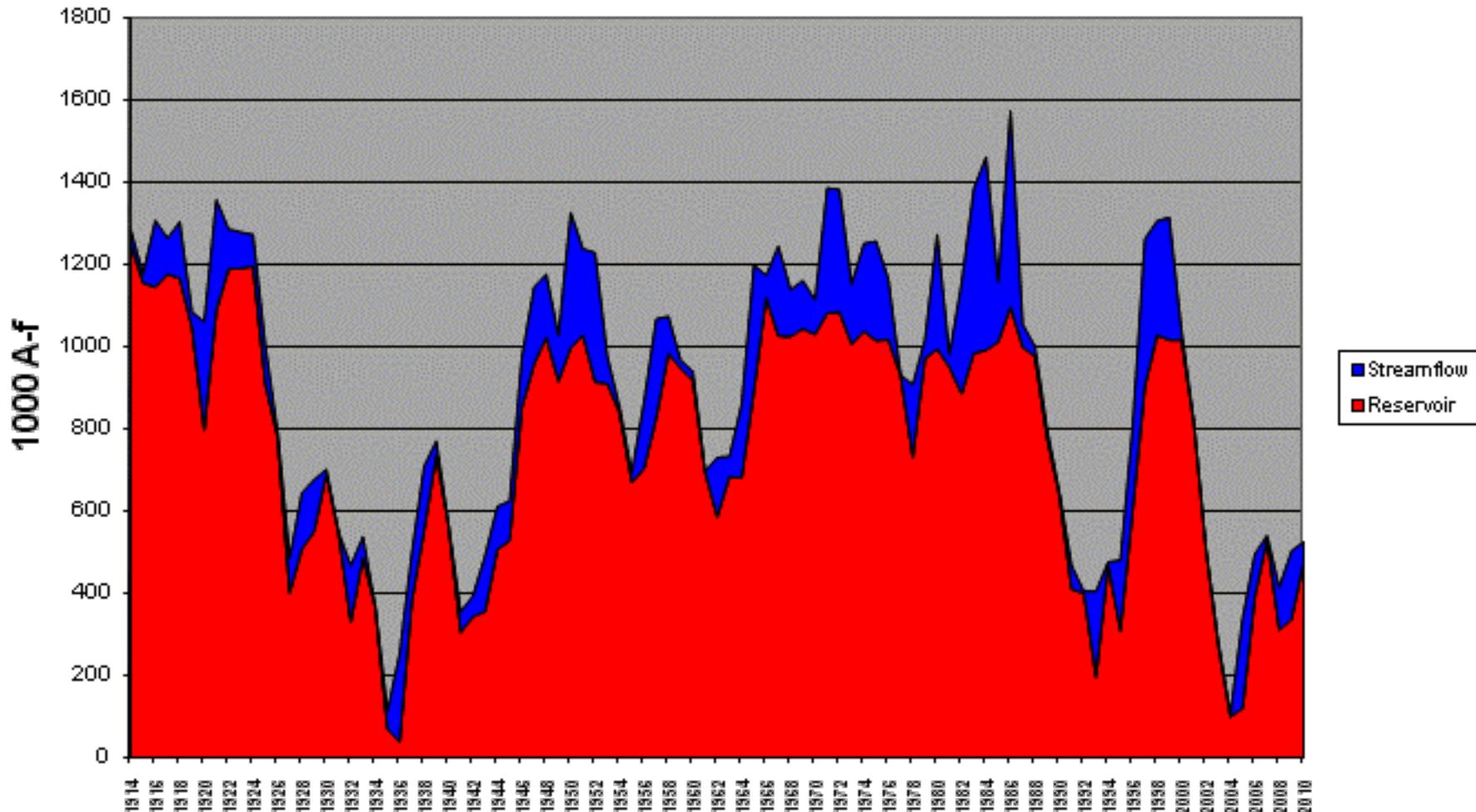
# Bear River Surface Water Supply Index

## May



# Bear River Surface Water Supply Index

## May

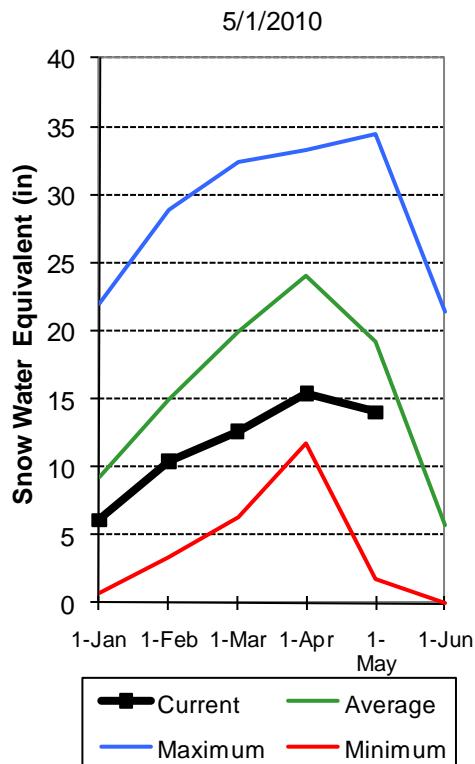


## Weber and Ogden River Basins

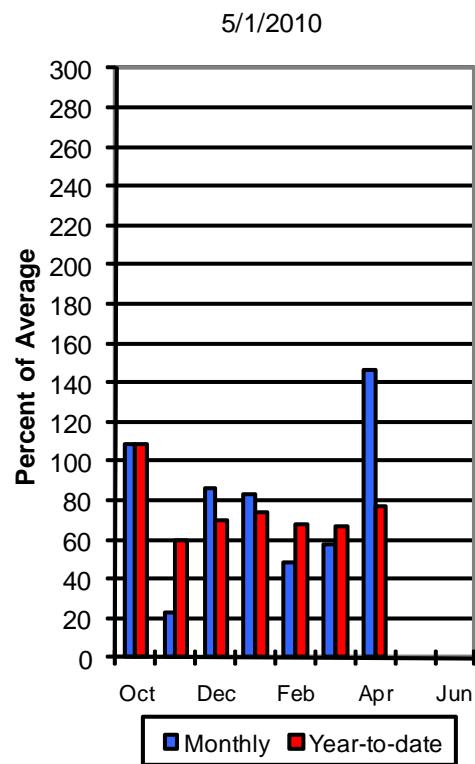
### May 1, 2010

Snowpacks on the Weber and Ogden Watersheds are below average at 73%, about 67% of last year. Individual sites range from no snow to 107% of average at Smith and Morehouse. April precipitation was much above average at 146% bringing the seasonal accumulation (Oct-April) to 77% of average. Soil moisture levels in runoff producing areas are at 68% of saturation in the upper 2 feet of soil compared to 74% last year. Streamflow forecasts (May-July) range from 31% to 74% of average. Reservoir storage is at 90% of capacity, 5% higher than last year. The Surface Water Supply Index is at 17% for the Weber River and 35% for the Ogden River indicating that overall water supply conditions are below average.

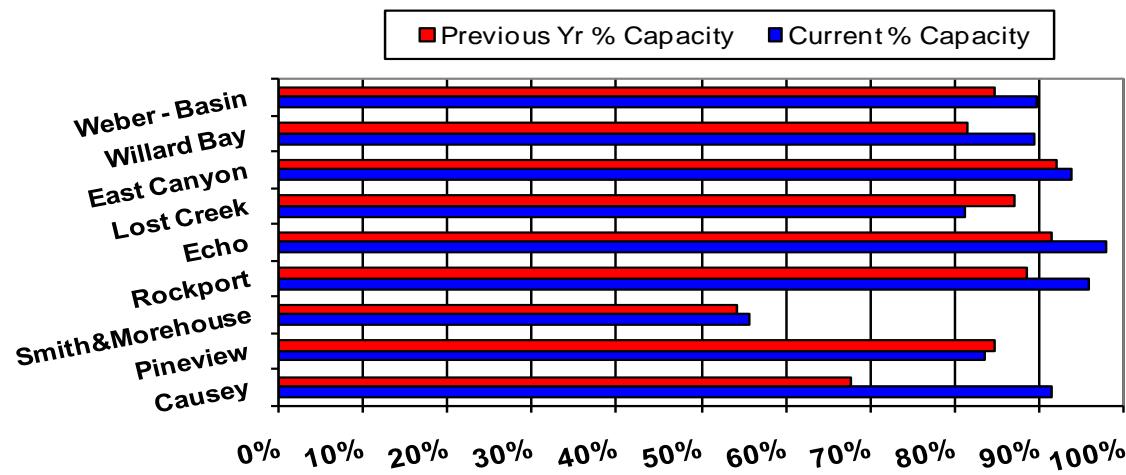
**Weber River Snowpack**



**Weber River Precipitation**



**May Weber Basin Reservoir Storage**



## WEBER &amp; OGDEN WATERSHEDS in Utah as of May 1, 2010

WEBER & OGDEN WATERSHEDS in Utah Streamflow Forecasts - May 1, 2010										
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>								30-Yr Avg. (1000AF)
		Chance Of Exceeding *		90% (1000AF) 70% (1000AF)		50% (1000AF) (% AVG.)		30% (1000AF) 10% (1000AF)		
Smith & Morehouse Res inflow	APR-JUL	21	23	25	74	27	29	34		
	MAY-JUL	18.9	21	23	74	25	27	31		
Weber R nr Oakley, UT	APR-JUL	66	79	87	71	95	108	123		
	MAY-JUL	58	71	80	71	89	102	113		
Rockport Reservoir	APR-JUL	70	86	97	72	108	124	134		
	MAY-JUL	60	75	85	71	95	110	120		
Weber R nr Coalville	APR-JUL	57	76	89	65	102	121	137		
	MAY-JUL	47	64	75	66	86	103	114		
Chalk Ck at Coalville, UT	APR-JUL	11.8	23	31	69	39	50	45		
	MAY-JUL	7.5	18.5	26	70	33	44	37		
Echo Resv Inflow	APR-JUL	49	89	116	65	143	183	179		
	MAY-JUL	36	71	95	63	119	154	152		
Lost Ck Resv Inflow	APR-JUL	0.3	2.1	4.5	26	7.5	12.0	17.6		
	MAY-JUL	0.1	1.4	4.0	31	6.6	10.5	12.9		
East Canyon Ck Nr Jeremy Ranch	APR-JUL	0.1	3.3	11.7	82	17.3	22	14.2		
	MAY-JUL	0.19	3.00	6.50	69	9.60	13.50	9.40		
East Canyon Ck Nr Morgan, Ut	APR-JUL	12.1	18.0	22	71	26	32	31		
	MAY-JUL	8.6	13.0	16.0	73	19.0	23	22		
Weber R at Gateway, UT	APR-JUL	70	159	220	62	280	370	355		
	MAY-JUL	50	122	170	62	220	290	273		
SF Ogden R nr Huntsville, UT	APR-JUL	17.7	26	31	48	36	44	64		
	MAY-JUL	12.2	18.6	23	49	27	34	47		
Pineview Resv Inflow	APR-JUL	3.0	25	45	34	65	96	133		
	MAY-JUL	1.6	24	40	45	56	78	89		
Wheeler Ck nr Huntsville, UT	APR-JUL	1.63	2.70	3.50	56	4.30	5.40	6.30		
	MAY-JUL	0.13	1.07	2.00	47	2.90	4.30	4.30		
Centerville Ck	APR-JUL	0.52	0.69	0.80	63	0.91	1.08	1.28		
	APR-JUL	0.52	0.69	0.80	63	0.91	1.08	1.28		

WEBER & OGDEN WATERSHEDS in Utah Reservoir Storage (1000 AF) - End of April					WEBER & OGDEN WATERSHEDS in Utah Watershed Snowpack Analysis - May 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of	Last Yr	Average	
		This Year Last Year Avg							
CAUSEY	7.1	6.5 4.8 4.0	OGDEN RIVER	4	54	57			
EAST CANYON	49.5	46.4 45.6 40.5	WEBER RIVER	9	71	82			
ECHO	73.9	72.3 67.6 52.9	WEBER & OGDEN WATERSHEDS	13	65	73			
LOST CREEK	22.5	18.3 19.6 15.6							
PINEVIEW	110.1	92.0 93.3 77.7							
ROCKPORT	60.9	58.3 53.9 38.6							
WILLARD BAY	215.0	192.1 175.1 168.0							

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

# Weber & Ogden Basins



Watershed % of Average      Snotel % of Average

0

<50%

50 - 69%

70 - 89%

90 - 109%

110 - 129%

130 - 149%

>150%

< 50%

50 - 69%

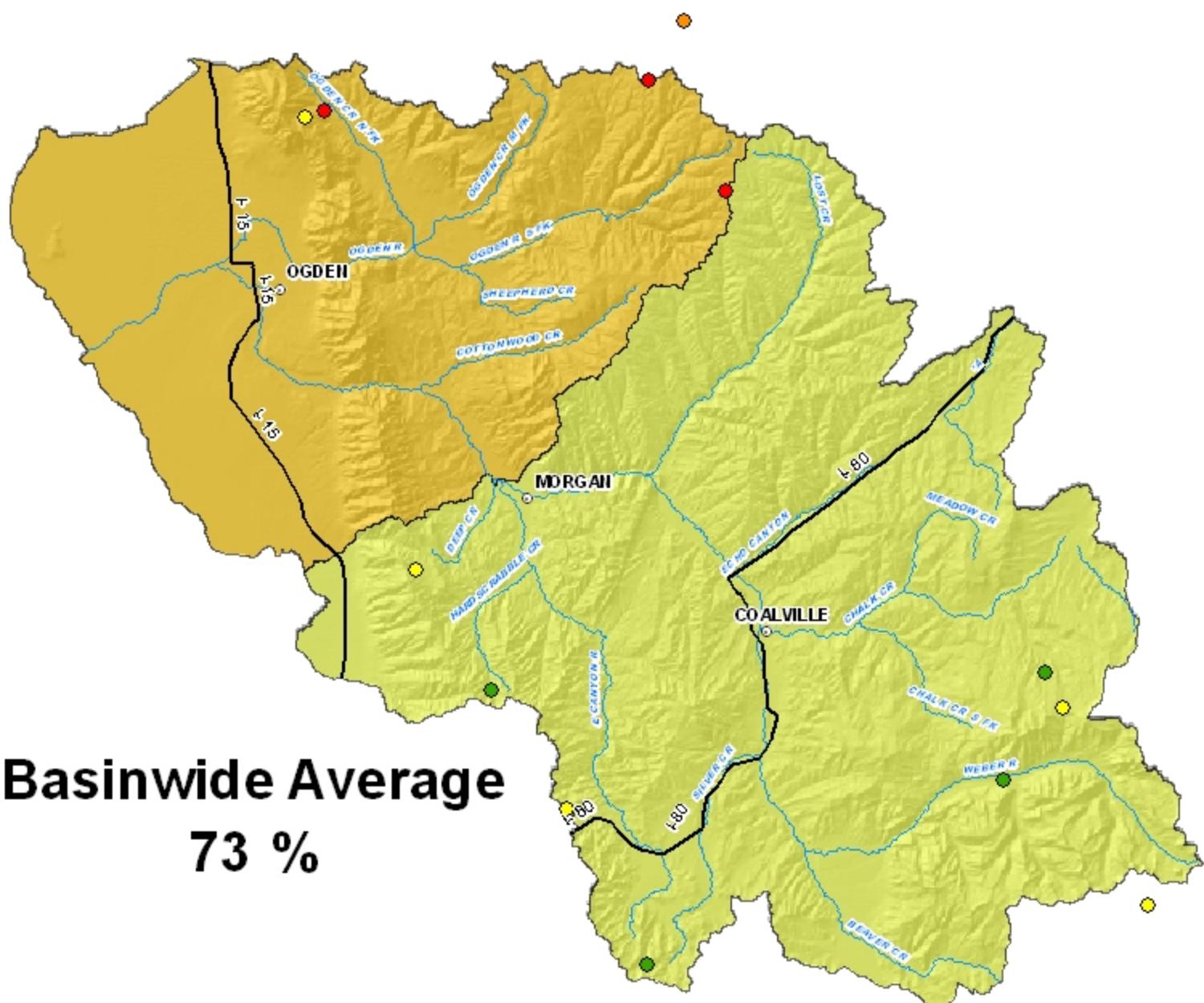
70 - 89%

90 - 109%

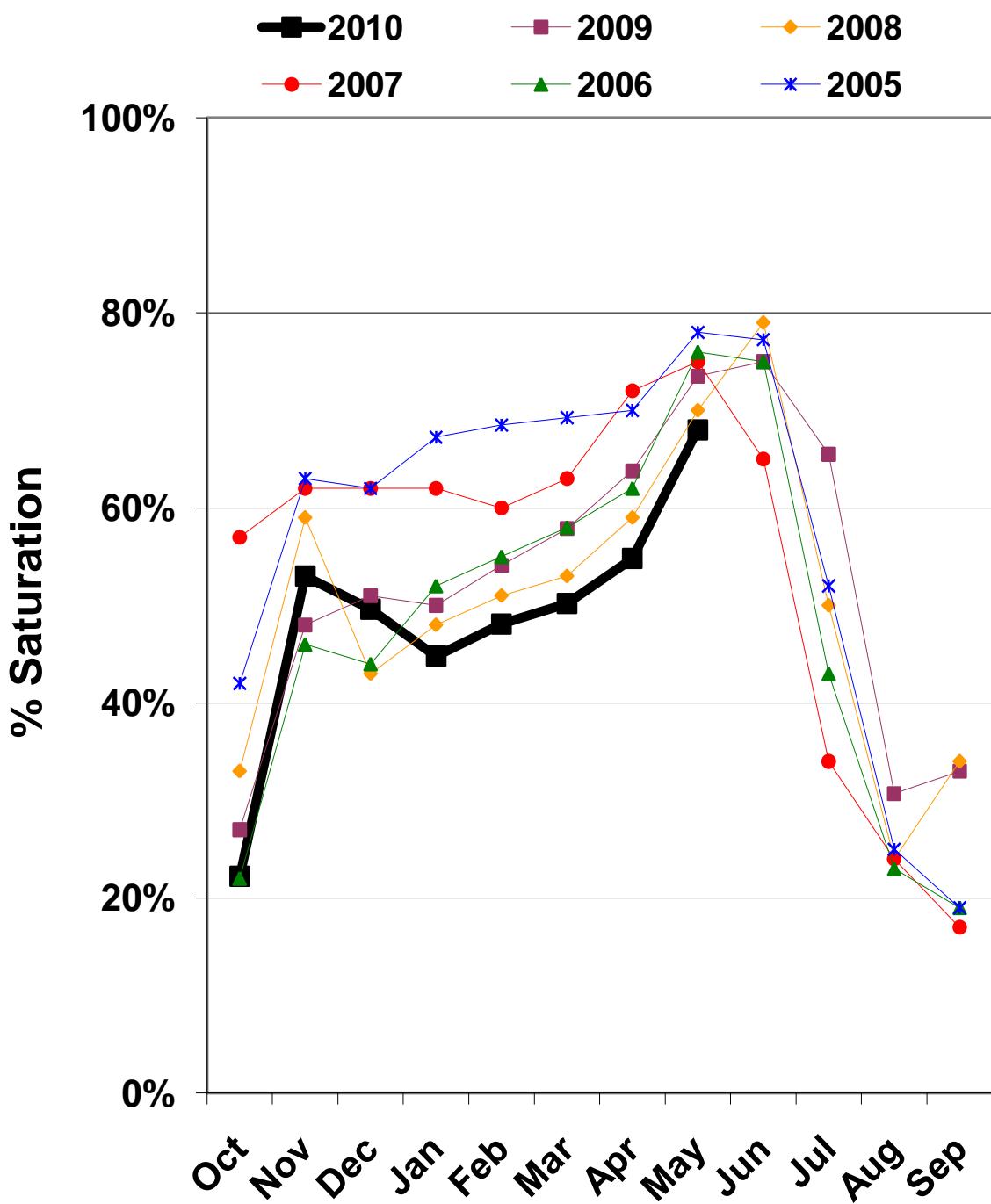
110 - 129%

130 - 149%

> 150%



# Weber River Soil Moisture

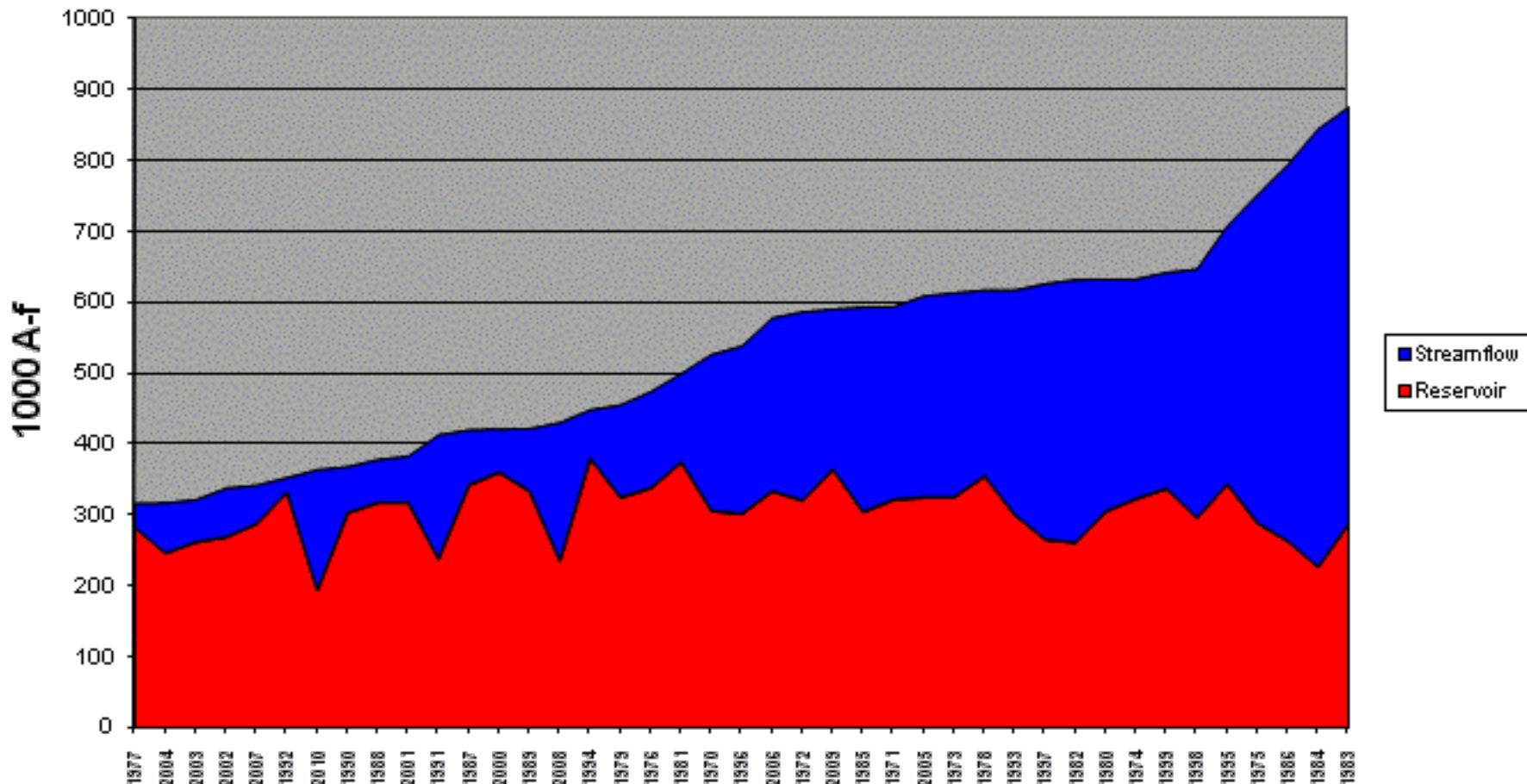


*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

Weber SWSI						
<b>May 1</b>						
#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1977	283	34	318	2	-3.97
2	2004	248	71	318	5	-3.77
3	2003	263	59	323	7	-3.57
4	2002	270	69	339	10	-3.37
5	2007	289	54	343	12	-3.17
6	1992	334	20	354	14	-2.98
7	<b>2010</b>	<b>195</b>	<b>170</b>	<b>365</b>	<b>17</b>	<b>-2.78</b>
8	1990	305	65	369	19	-2.58
9	1988	319	60	380	21	-2.38
10	2001	319	65	384	24	-2.18
11	1991	240	175	415	26	-1.98
12	1987	344	77	421	29	-1.79
13	2000	362	60	423	31	-1.59
14	1989	335	88	423	33	-1.39
15	2008	237	195	432	36	-1.19
16	1994	382	68	450	38	-0.99
17	1979	326	130	457	40	-0.79
18	1976	340	136	475	43	-0.60
19	1981	376	125	501	45	-0.40
20	1970	308	220	528	48	-0.20
21	1996	303	236	540	50	0.00
22	2006	335	244	579	52	0.20
23	1972	322	266	588	55	0.40
24	2009	366	226	592	57	0.60
25	1985	306	289	595	60	0.79
26	1971	323	272	595	62	0.99
27	2005	327	284	610	64	1.19
28	1973	327	288	615	67	1.39
29	1978	357	262	619	69	1.59
30	1993	302	317	619	71	1.79
31	1997	267	361	628	74	1.98
32	1982	263	371	634	76	2.18
33	1980	307	327	634	79	2.38
34	1974	325	310	634	81	2.58
35	1999	339	305	644	83	2.78
36	1998	298	351	648	86	2.98
37	1995	345	364	709	88	3.17
38	1975	290	464	754	90	3.37
39	1986	265	532	796	93	3.57
40	1984	228	618	846	95	3.77
41	1983	289	588	877	98	3.97

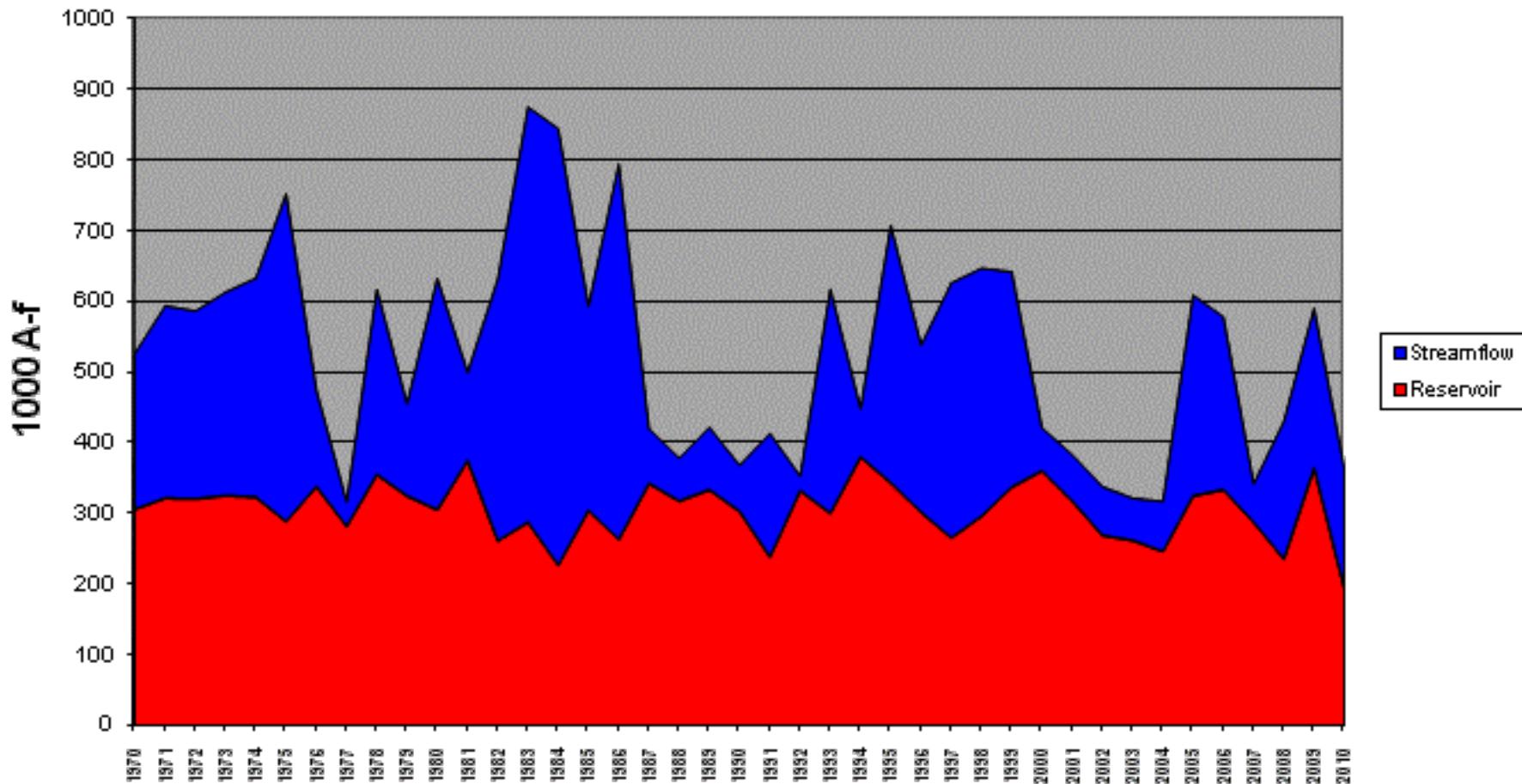
# Weber River Surface Water Supply Index

May



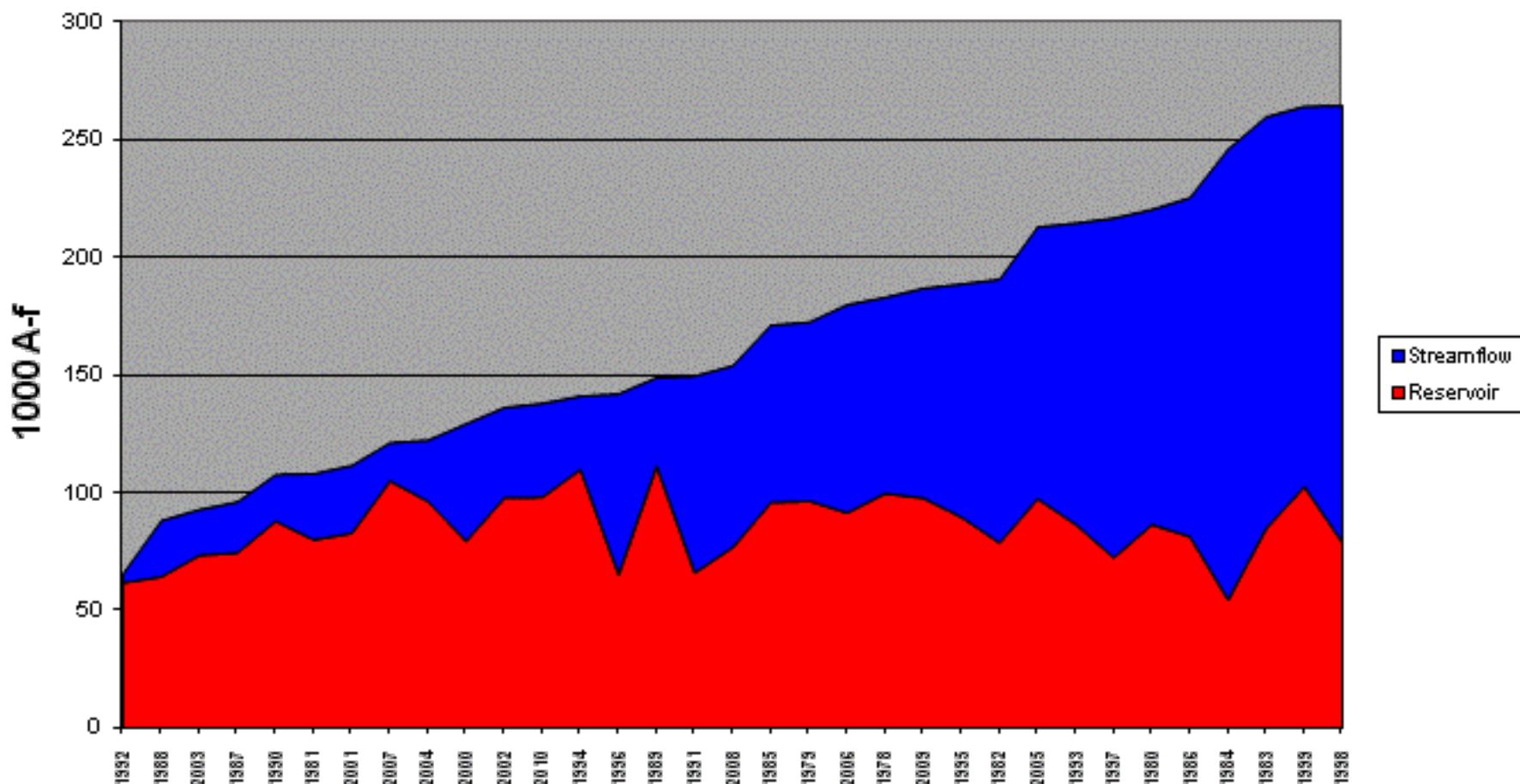
# Weber River Surface Water Supply Index

May

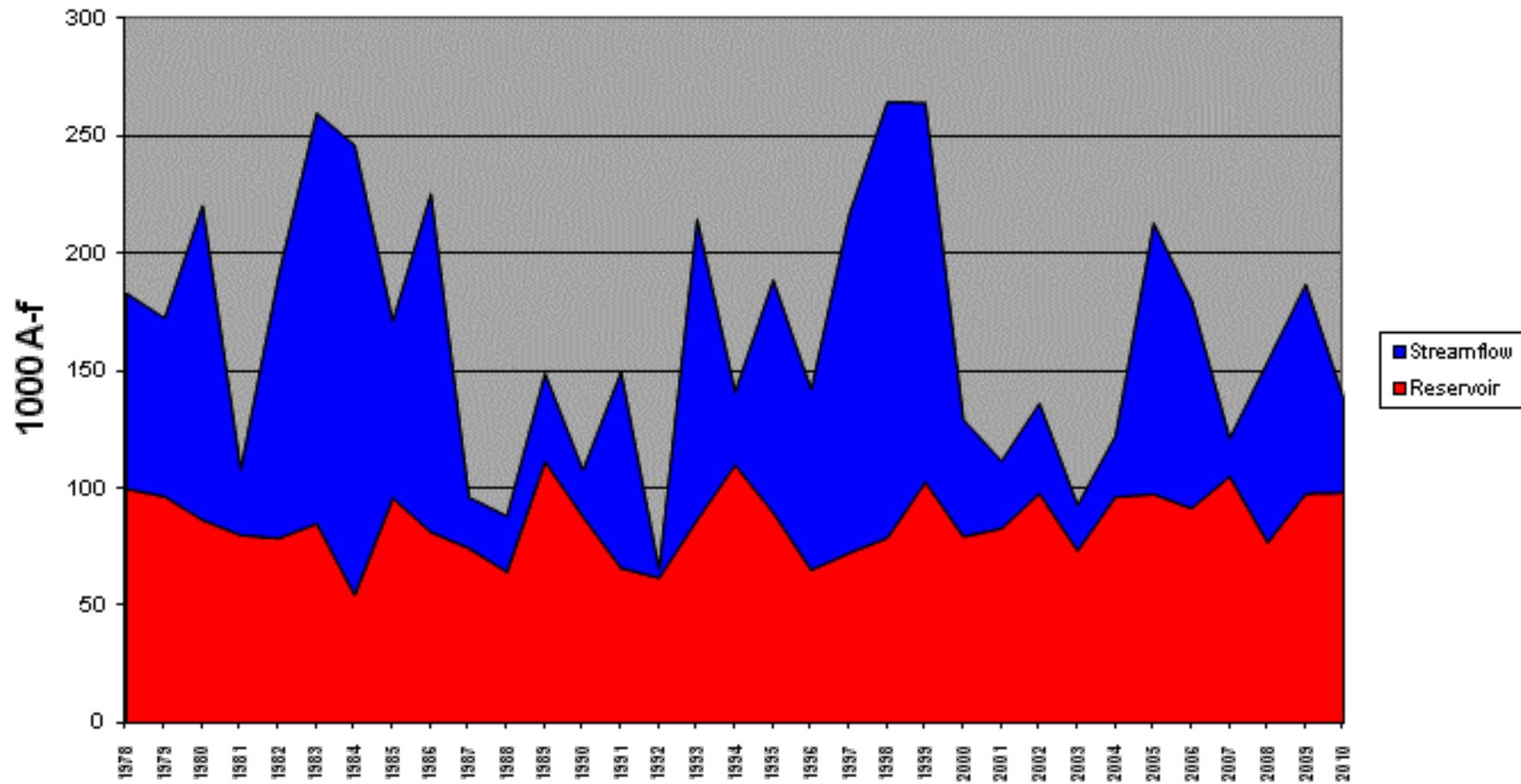


Ogden SWSI						
<b>May 1</b>						
#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1992	62	4	66	3	-3.92
2	1988	65	24	89	6	-3.68
3	2003	74	19	93	9	-3.43
4	1987	75	22	97	12	-3.19
5	1990	88	20	108	15	-2.94
6	1981	80	28	109	18	-2.70
7	2001	83	29	112	21	-2.45
8	2007	105	16	122	24	-2.21
9	2004	97	26	123	26	-1.96
10	2000	80	50	130	29	-1.72
11	2002	98	38	137	32	-1.47
12	<b>2010</b>	<b>99</b>	<b>40</b>	<b>139</b>	<b>35</b>	<b>-1.23</b>
13	1994	110	31	141	38	-0.98
14	1996	66	77	142	41	-0.74
15	1989	112	38	149	44	-0.49
16	1991	66	84	150	47	-0.25
17	2008	77	77	154	50	0.00
18	1985	96	76	172	53	0.25
19	1979	97	76	173	56	0.49
20	2006	92	89	181	59	0.74
21	1978	100	83	184	62	0.98
22	2009	98	89	187	65	1.23
23	1995	90	99	189	68	1.47
24	1982	79	112	191	71	1.72
25	2005	98	116	214	74	1.96
26	1993	87	128	215	76	2.21
27	1997	73	145	217	79	2.45
28	1980	87	134	221	82	2.70
29	1986	82	144	226	85	2.94
30	1984	55	192	247	88	3.19
31	1983	85	175	260	91	3.43
32	1999	103	162	265	94	3.68
33	1998	79	186	265	97	3.92

# Ogden Surface Water Supply Index May



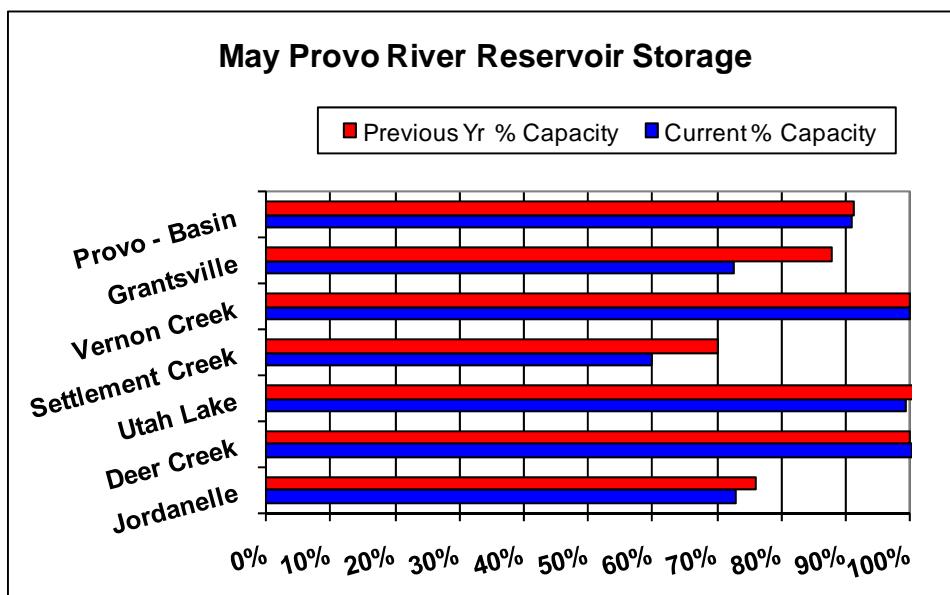
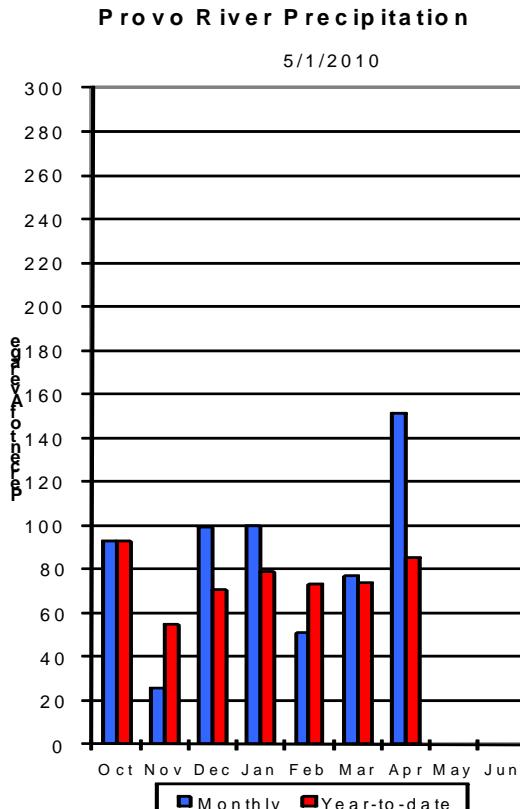
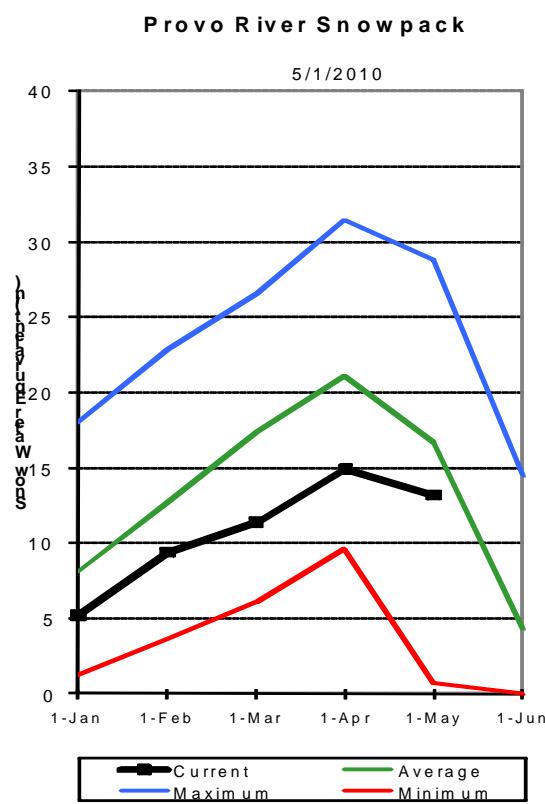
# Ogden Surface Water Supply Index May



## Utah Lake, Jordan River & Tooele Valley Basins

### May 1, 2010

Snowpack over these basins are below average at 79%, which is 76% of last year. Individual sites range from 28% at Middle Canyon to 194% of average at the Beaver Divide Snotel. April precipitation was much above average at 151%, bringing the seasonal accumulation (Oct-April) to 85% of average. Average soil moisture in runoff producing areas is estimated at 65% of saturation in the upper 2 feet of soil compared to 75% at this time last year. Reservoir storage is at 91% of capacity, the same as last year. Streamflow forecasts (May-July) range from 43% to 82% of average. The Surface Water Supply Index below Deer Creek reservoir is 38%, indicating general water supply conditions are below normal.



## UTAH LAKE, JORDAN RIVER &amp; TOOEL VALLEY as of May 1, 2010

UTAH LAKE, JORDAN RIVER & TOOEL VALLEY Streamflow Forecasts - May 1, 2010											
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>								30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)				
Salt Ck At Nephi, Ut	APR-JUL	3.30	5.30	6.60	70	7.90	9.90	9.40			
	MAY-JUL	3.30	4.90	6.00	65	7.10	8.70	9.20			
Spanish Fk at Castilla, UT	APR-JUL	0.8	16.2	45	58	74	116	77			
	MAY-JUL	1.2	8.5	35	58	62	100	60			
Provo R nr Woodland	APR-JUL	49	62	72	70	83	100	103			
	MAY-JUL	42	56	65	71	74	88	92			
Provo River nr Hailstone	APR-JUL	49	64	76	70	89	109	109			
	MAY-JUL	45	58	67	71	77	93	95			
Provo R blw Deer Ck Dam, UT	APR-JUL	57	75	88	70	101	119	126			
	MAY-JUL	41	58	69	68	80	97	102			
American Fk abv Upper Powerplant	APR-JUL	13.7	19.2	23	72	27	32	32			
	MAY-JUL	12.3	17.5	21	70	25	30	30			
Utah Lake Inflow	APR-JUL	3.0	55	215	66	440	610	325			
	MAY-JUL	5.0	53	150	63	290	370	239			
W Canyon Ck nr Cedar Fort, UT	APR-JUL	0.07	0.57	0.91	38	1.25	1.75	2.40			
	MAY-JUL	0.11	0.58	0.90	43	1.22	1.69	2.10			
Little Cottonwood Ck nr SLC	APR-JUL	23	28	32	80	36	42	40			
	MAY-JUL	23	27	30	81	33	38	37			
Big Cottonwood Ck nr SLC	APR-JUL	19.0	25	29	76	33	39	38			
	MAY-JUL	17.4	22	26	79	30	35	33			
Mill Ck nr SLC	APR-JUL	0.76	2.80	4.20	60	5.60	7.60	7.00			
	MAY-JUL	0.68	2.40	3.60	61	4.80	6.50	5.90			
Parley's Ck nr SLC	APR-JUL	2.6	6.4	9.0	54	11.6	15.4	16.7			
	MAY-JUL	1.5	4.8	7.0	55	9.2	12.5	12.8			
Dell Fk nr SLC	APR-JUL	0.20	2.00	3.70	54	5.40	7.80	6.80			
	MAY-JUL	0.10	1.71	3.20	64	4.70	6.90	5.00			
Emigration Ck nr SLC, UT	APR-JUL	0.14	1.02	2.10	47	3.20	4.80	4.50			
	MAY-JUL	0.06	0.56	1.50	48	2.40	3.80	3.10			
City Ck nr SLC	APR-JUL	1.75	3.90	5.40	62	6.90	9.00	8.70			
	MAY-JUL	1.28	3.30	4.60	63	5.90	7.90	7.30			
Vernon Ck nr Vernon, UT	APR-JUL	0.01	0.60	1.00	68	1.40	1.99	1.48			
	MAY-JUL	0.05	0.50	0.80	75	1.10	1.55	1.07			
Settlement Ck nr Tooel	APR-JUL	0.57	1.24	1.70	81	2.20	2.80	2.10			
	MAY-JUL	0.47	1.08	1.50	82	1.92	2.50	1.83			
South Willow Ck nr Grantsville, UT	APR-JUL	1.75	2.30	2.70	84	3.10	3.60	3.23			
	MAY-JUL	1.45	1.96	2.30	82	2.60	3.20	2.80			

UTAH LAKE, JORDAN RIVER & TOOEL VALLEY Reservoir Storage (1000 AF) - End of April				UTAH LAKE, JORDAN RIVER & TOOEL VALLEY Watershed Snowpack Analysis - May 1, 2010						
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of	Last Yr	Average		
	This Year	Last Year	Avg							
DEER CREEK	149.7	150.0	149.5	119.4	PROVO RIVER & UTAH LAKE	7	69	69		
GRANTSVILLE	3.3	2.4	2.5	2.8	PROVO RIVER	4	76	76		
SETTLEMENT CREEK	1.0	0.6	0.7	0.7	JORDAN RIVER & GSL	6	74	88		
STRAWBERRY-ENLARGED	1105.9	980.4	958.9	663.7	TOOELE & RUSH VALLEY WATE	3	89	74		
UTAH LAKE	870.9	865.0	882.0	872.6	UTAH LAKE/JORDAN R./TOOEL	16	74	79		
VERNON CREEK	0.6	0.6	0.6	---						

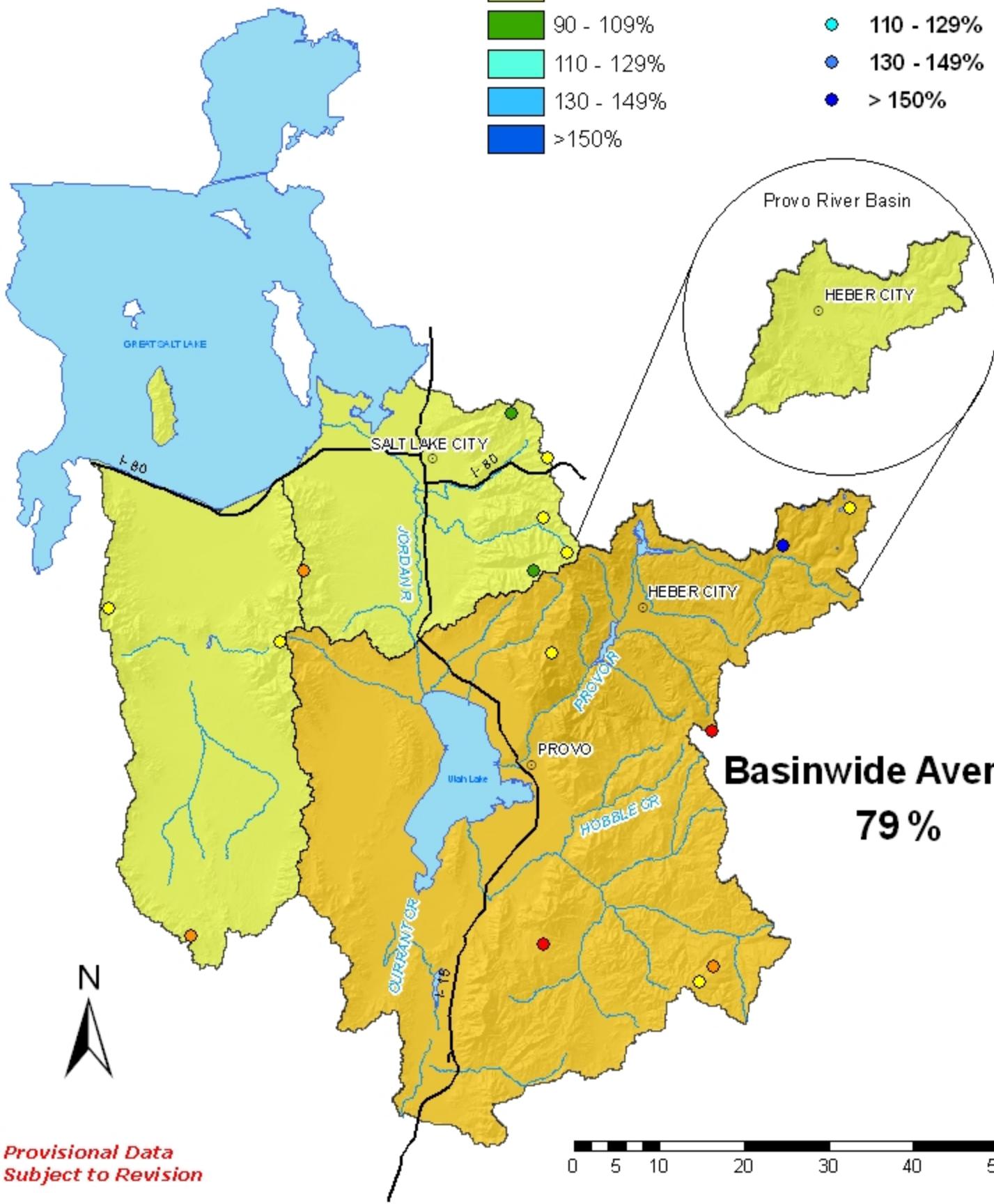
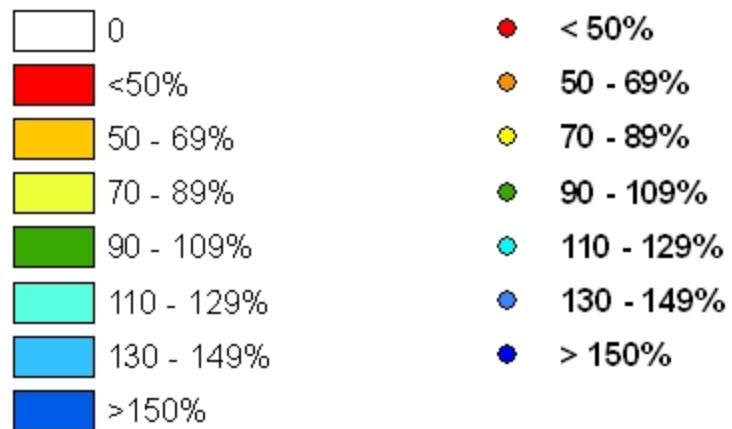
\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

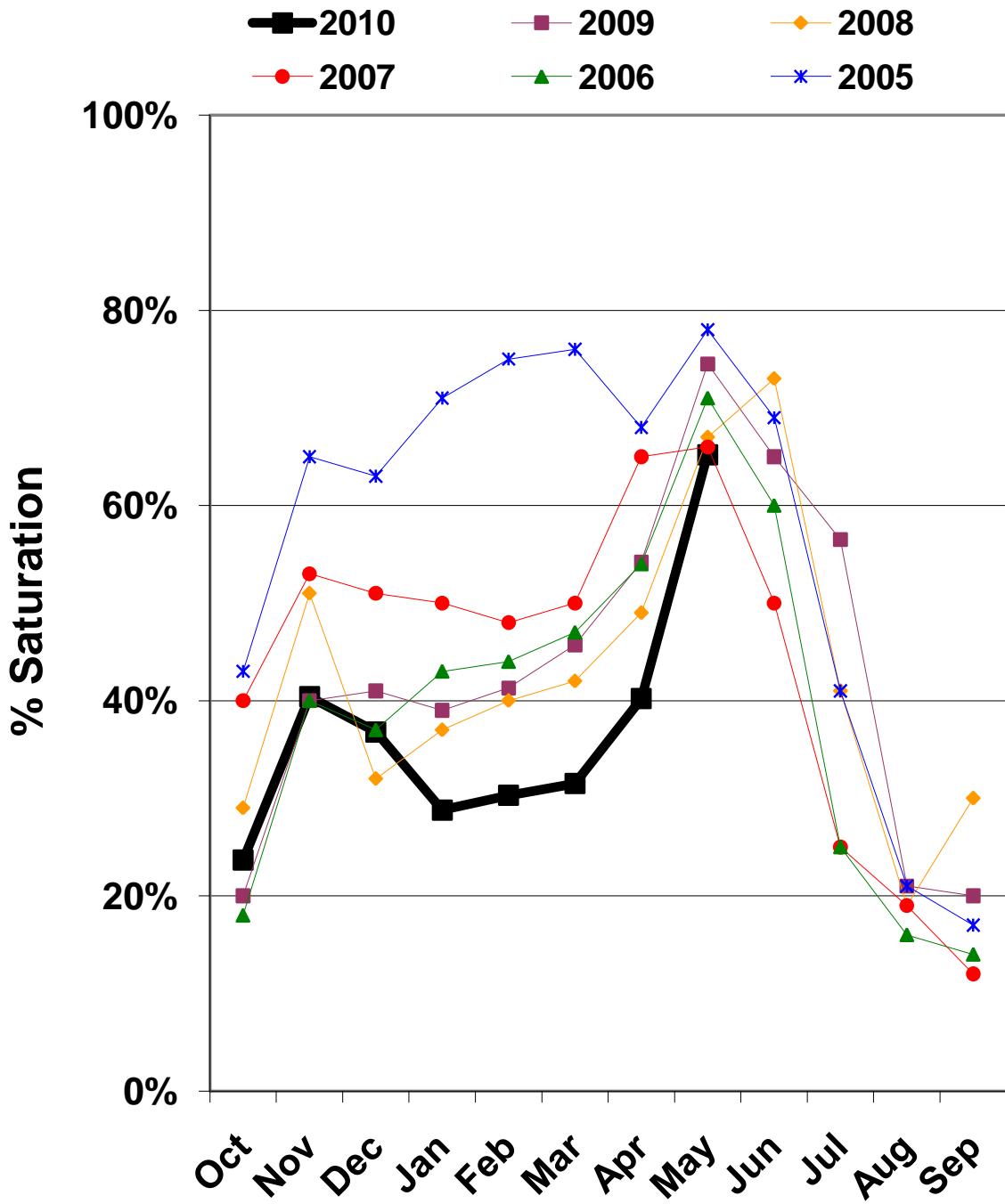
- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

# Utah Lake, Jordan River & Tooele Valley

Watershed % of Average      Snotel % of Average



# Jordan/Provo River Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

# May

Provo River SWSI @ inflow of Deer Creek - BOR data

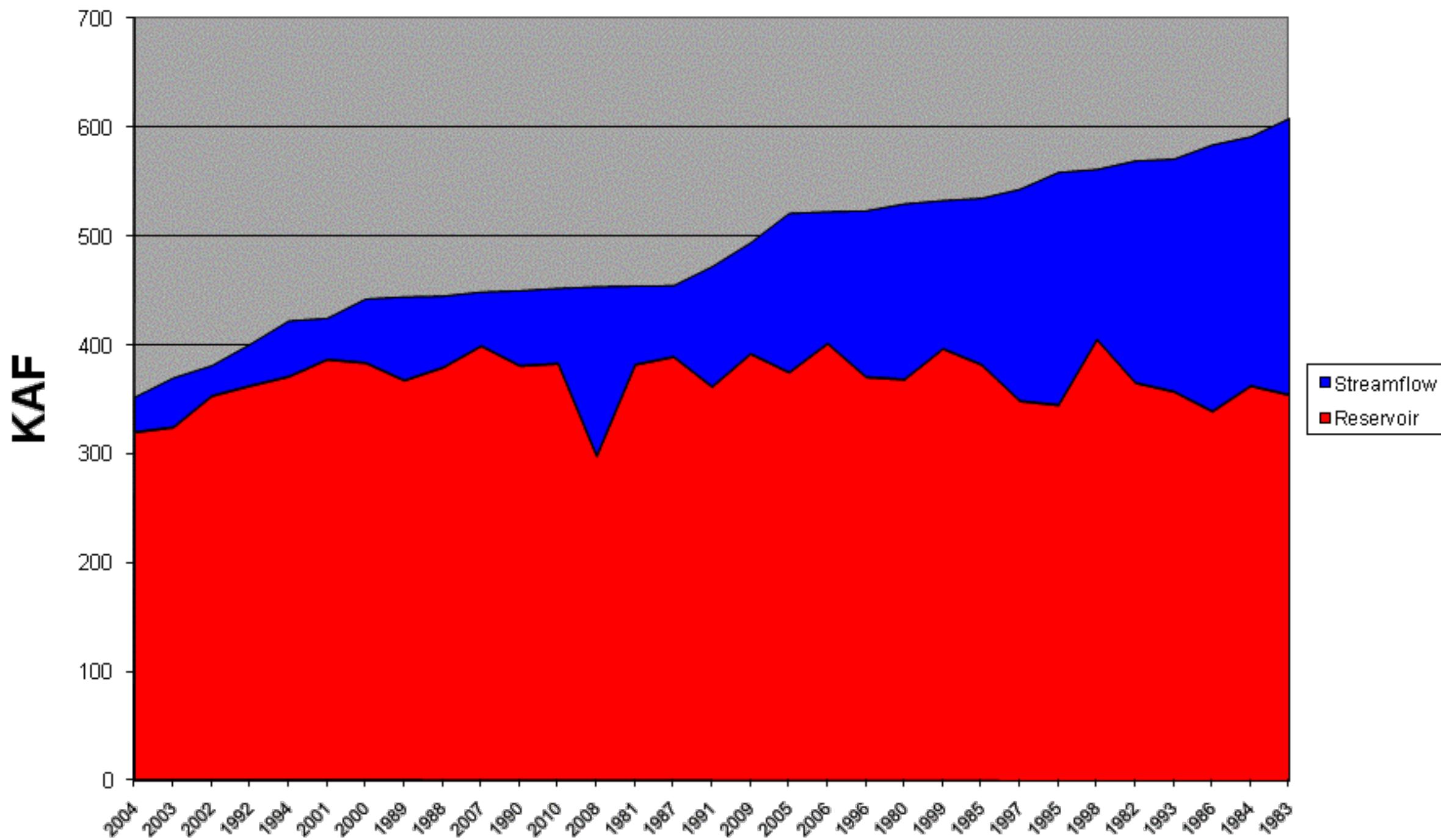
# of years

**31**

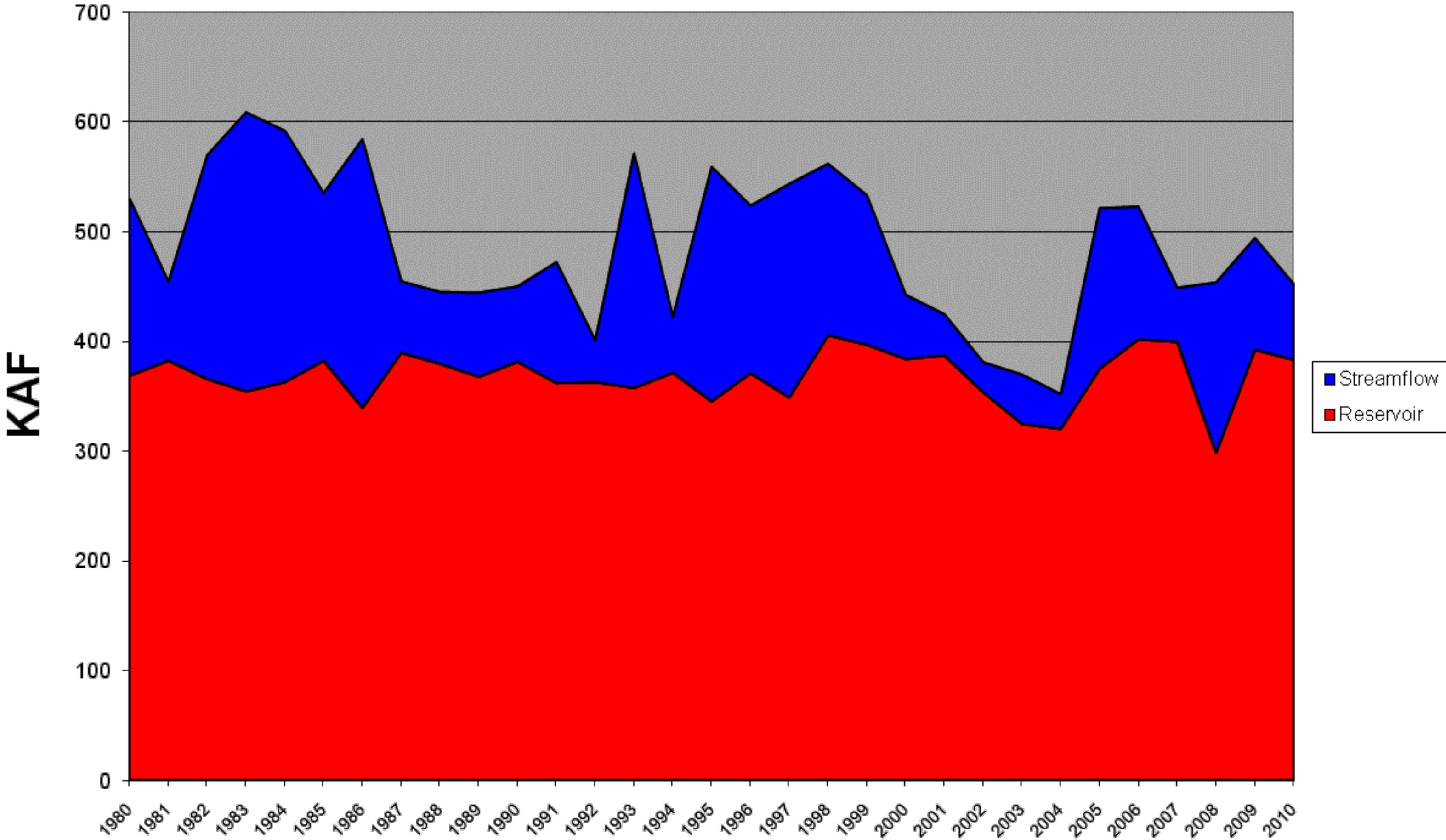
Rank	WY	April EOM Reservior Storage (KAF)	May - July		Non- Exceedance Probability	May SWSI
			Predicted Streamflow (KAF)	Streamflow + EOM Storage		
1	2004	320	32	352	3%	-3.91
2	2003	325	45	370	6%	-3.65
3	2002	354	27	381	9%	-3.39
4	1992	363	38	401	13%	-3.13
5	1994	371	51	422	16%	-2.86
6	2001	387	38	425	19%	-2.60
7	2000	384	59	443	22%	-2.34
8	1989	368	77	445	25%	-2.08
9	1988	380	66	445	28%	-1.82
10	2007	400	49	449	31%	-1.56
11	1990	381	69	450	34%	-1.30
<b>12</b>	<b>2010</b>	<b>383</b>	<b>69</b>	<b>452</b>	<b>38%</b>	<b>-1.04</b>
13	2008	298	156	454	41%	-0.78
14	1981	382	72	455	44%	-0.52
15	1987	390	65	455	47%	-0.26
16	1991	362	110	472	50%	0.00
17	2009	392	102	494	53%	0.26
18	2005	375	146	522	56%	0.52
19	2006	402	121	523	59%	0.78
20	1996	371	153	524	63%	1.04
21	1980	369	161	530	66%	1.30
22	1999	397	136	533	69%	1.56
23	1985	382	153	535	72%	1.82
24	1997	349	195	544	75%	2.08
25	1995	345	214	559	78%	2.34
26	1998	406	156	562	81%	2.60
27	1982	366	204	570	84%	2.86
28	1993	358	214	572	88%	3.13
29	1986	339	245	585	91%	3.39
30	1984	363	229	592	94%	3.65
31	1983	355	254	609	97%	3.91

# Provo River SWSI @ Deer Creek Inflow

## May 2010



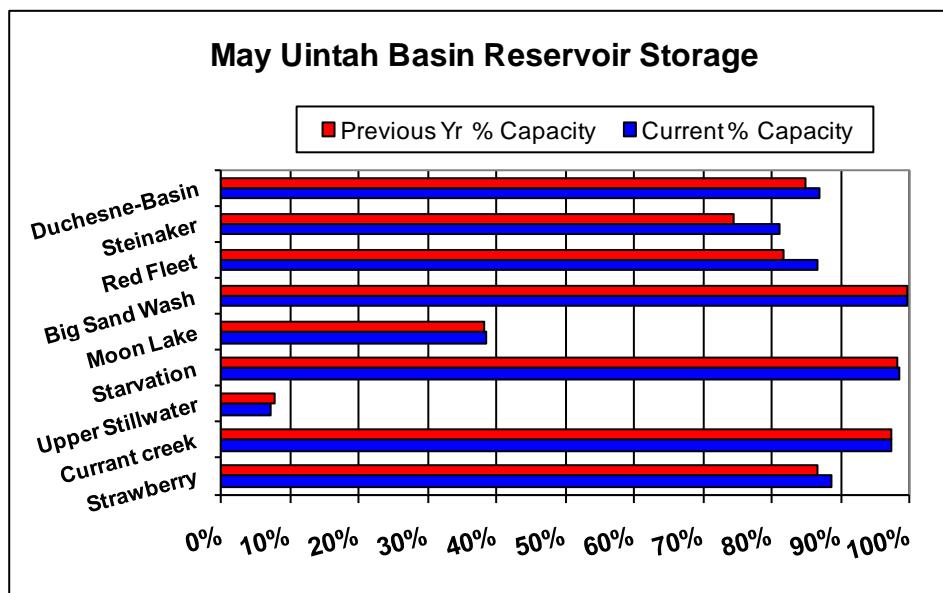
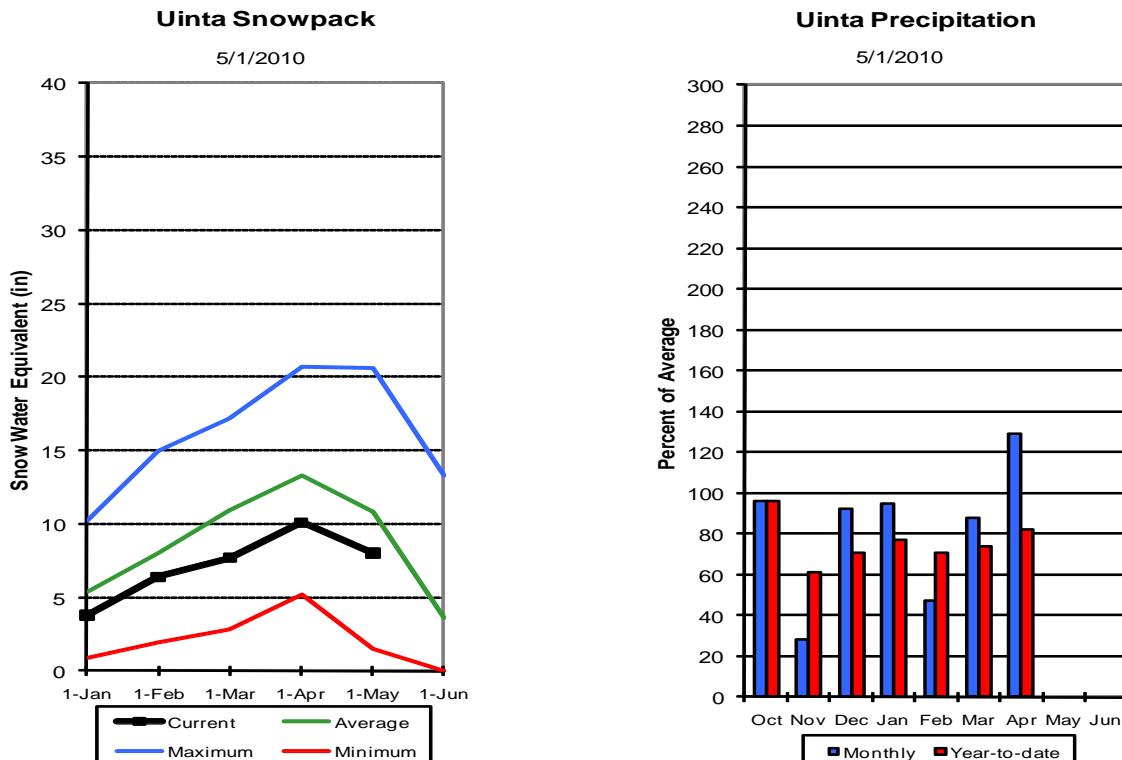
# Provo River SWSI @ Deer Creek Inflow



## Uintah Basin and Dagget SCD's

### May 1, 2010

Snowpack across the Uintas is below average at 74%, which is 98% of last year. Individual sites on the North Slope range from 53% to 100% and on the South Slope range from 0% to 110% of average. Precipitation during April was below average at 129% bringing the seasonal accumulation (Oct-Apr) to 82%. Soil moisture values in runoff producing areas are at 55% of saturation in the upper 2 feet of soil compared to 75% last year. Reservoir storage is at 87% of capacity, 2% more than last year. Streamflow forecasts (May-July) range from 39% to 80% of average. The Surface Water Supply Index for the western area is 39% and for the eastern area it is 44% indicating below normal conditions on the west side and near normal for the eastern area. General water supply conditions range from much below to below average.



## UINTAH BASIN &amp; DAGGET SCD'S as of May 1, 2010

=====  
UINTAH BASIN & DAGGET SCD'S  
Streamflow Forecasts - May 1, 2010  
=====

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)	
		Chance Of Exceeding *		30% (1000AF) 10% (1000AF)					
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)				
Blacks Fork nr Robertson	APR-JUL	53	64	72	76	80	94	95	
	MAY-JUL	49	60	68	74	76	90	92	
EF of Smiths Fork nr Robertson (2)	APR-JUL	16.3	20	23	79	26	31	29	
	MAY-JUL	15.2	19.1	22	79	25	30	28	
Flaming Gorge Reservoir Inflow (2)	APR-JUL	310	425	515	43	615	785	1190	
	MAY-JUL	215	330	420	41	520	690	1035	
Big Brush Ck abv Red Fleet Resv	APR-JUL	12.7	15.1	16.9	81	18.8	22	21	
	MAY-JUL	10.8	13.2	15.0	80	17.0	20	18.8	
Ashley Creek nr Vernal	APR-JUL	31	37	41	79	45	52	52	
	MAY-JUL	29	35	39	78	43	50	50	
Duchesne R nr Tabiona (2)	APR-JUL	46	58	68	65	78	95	105	
	MAY-JUL	39	51	61	64	71	88	96	
Upper Stillwater Reservoir Inflow	APR-JUL	47	54	58	71	63	70	82	
	MAY-JUL	44	51	55	70	60	67	79	
Rock Ck nr Mountain Home (2)	APR-JUL	52	60	65	73	71	79	89	
	MAY-JUL	48	56	61	72	67	75	85	
Duchesne R abv Knight Diversion (2)	APR-JUL	93	111	125	67	140	162	188	
	MAY-JUL	81	99	113	65	128	150	173	
Strawberry R nr Soldier Springs (2)	APR-JUL	20	27	33	56	39	49	59	
	MAY-JUL	12.7	19.5	25	54	31	41	46	
Currant Creek Reservoir Inflow (2)	APR-JUL	7.8	11.2	14.0	56	17.1	23	25	
	MAY-JUL	5.9	9.3	12.1	55	15.2	21	22	
Strawberry R nr Duchesne (2)	APR-JUL	41	55	67	55	80	102	121	
	MAY-JUL	28	42	54	50	67	89	108	
Lake Fork River Moon Lake Inflow	APR-JUL	38	46	50	74	54	62	68	
	MAY-JUL	37	44	48	74	53	60	65	
Yellowstone River nr Altonah	APR-JUL	36	42	46	74	51	58	62	
	MAY-JUL	33	39	43	73	48	55	59	
Duchesne R at Myton (2)	APR-JUL	76	102	122	47	144	182	260	
	MAY-JUL	56	82	102	44	125	162	230	
Uintah River nr Neola	APR-JUL	44	53	59	75	66	77	79	
	MAY-JUL	41	50	56	73	63	74	77	
Whiterocks nr Whiterocks	APR-JUL	29	35	40	71	45	53	56	
	MAY-JUL	27	33	38	72	43	51	53	
Duchesne R nr Randlett (2)	APR-JUL	60	99	133	41	173	240	324	
	MAY-JUL	39	78	112	39	152	220	289	

UINTAH BASIN & DAGGET SCD'S Reservoir Storage (1000 AF) - End of April				UINTAH BASIN & DAGGET SCD'S Watershed Snowpack Analysis - May 1, 2010			
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year as % of Last Yr	Average	
		This Year      Last Year      Avg					
FLAMING GORGE	3749.0	3220.0      3022.0      2952.0	UPPER GREEN RIVER in UTAH	6	111	82	
MOON LAKE	49.5	13.8      13.7      30.8	ASHLEY CREEK	2	112	69	
RED FLEET	25.7	22.3      21.0      19.9	BLACK'S FORK RIVER	2	114	89	
STEINAKER	33.4	27.1      24.9      25.0	SHEEP CREEK	1	133	100	
STARVATION	165.3	162.9      162.5      139.7	DUCHESNE RIVER	11	93	71	
STRAWBERRY-ENLARGED	1105.9	980.4      958.9      663.7	LAKE FORK-YELLOWSTONE CRE	4	94	80	
			STRAWBERRY RIVER	4	86	44	
			UINTAH-WHITEROCKS RIVERS	2	95	83	
			UINTAH BASIN & DAGGET SCD	17	98	74	

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

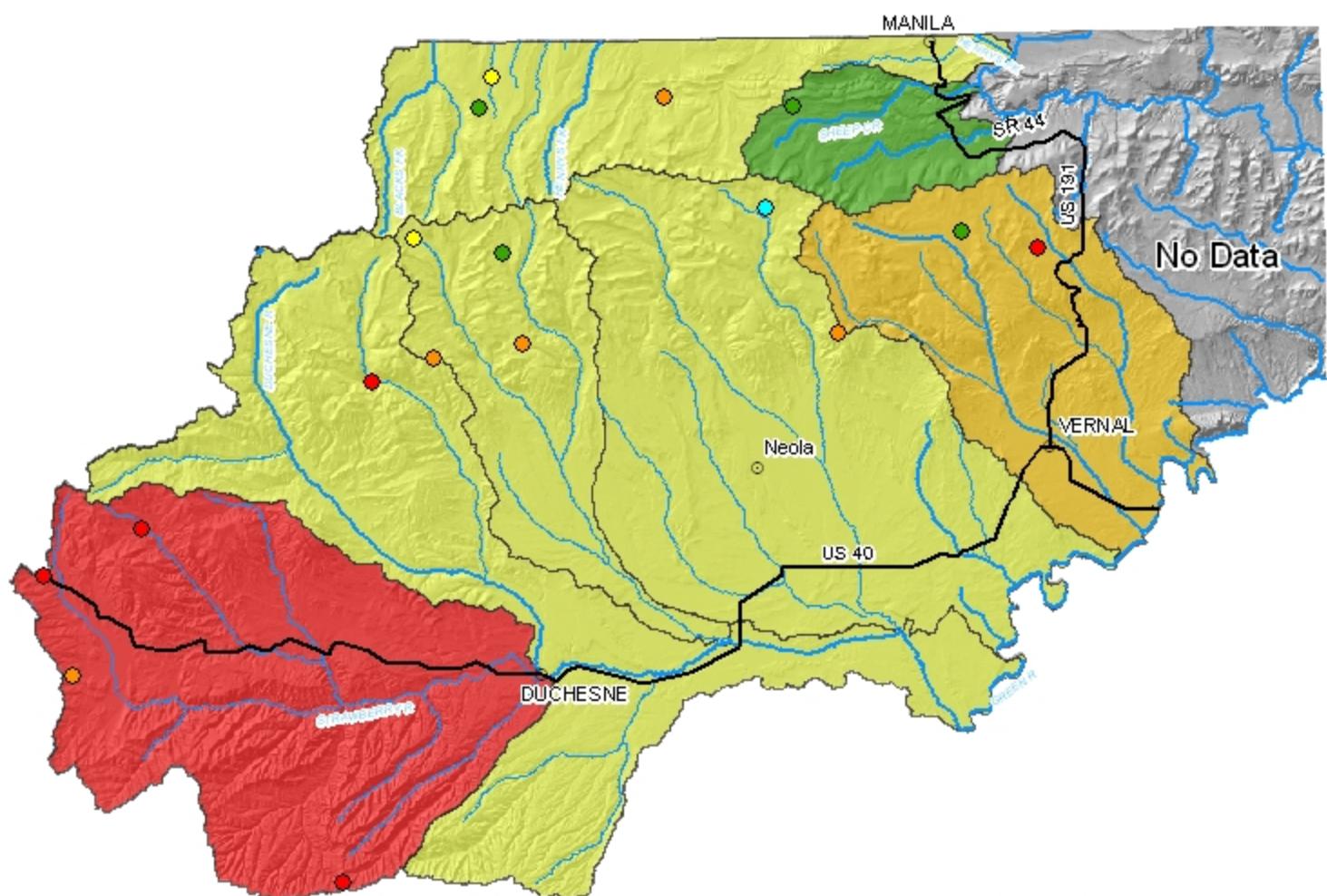
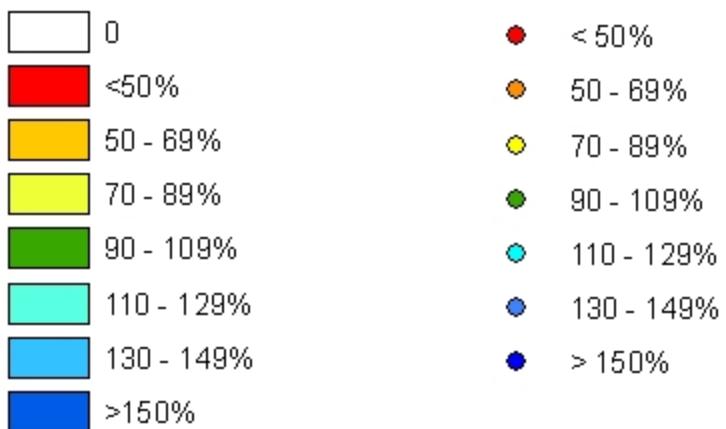
(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

# Uintah Basin & Dagget SCD's

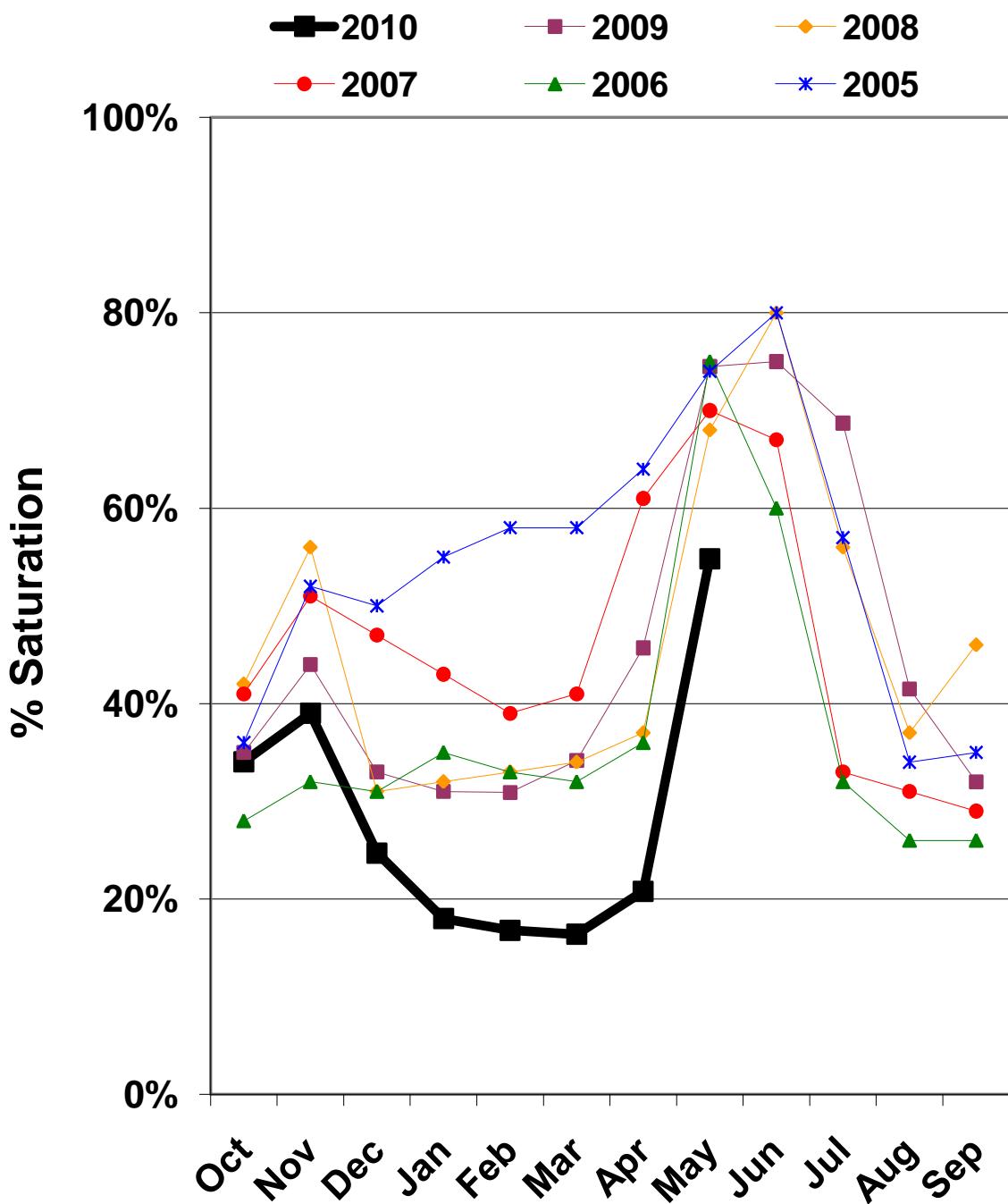


Watershed % of Average      Snotel % of Average



**Basinwide Average  
74 %**

# Uintah Basin Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

### EASTERN UNTA BASIN SWSI

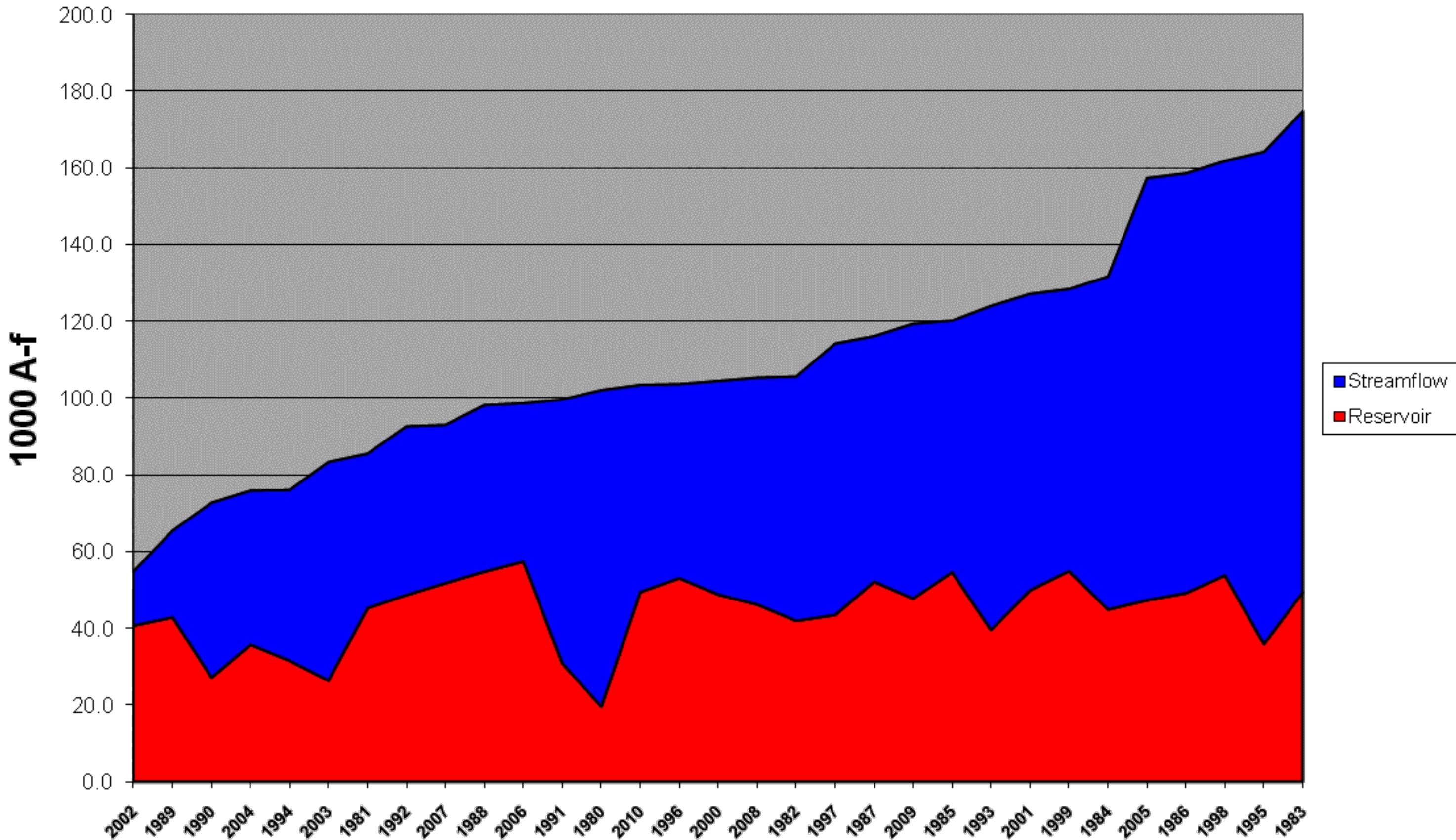
**May 1, 2010**

**# of years**      **31**

#	Year	EOM April Reservoir	May-Jul Streamflow	Reservoir + Streamflow	Probability	SWSI
		KAF	KAF	KAF		
1	2002	40.7	14.1	54.8	3	-3.91
2	1989	42.8	22.6	65.5	6	-3.65
3	1990	27.1	45.6	72.7	9	-3.39
4	2004	35.7	40.2	75.9	13	-3.13
5	1994	31.5	44.5	76.0	16	-2.86
6	2003	26.3	57.0	83.4	19	-2.60
7	1981	45.2	40.3	85.5	22	-2.34
8	1992	48.6	44.0	92.6	25	-2.08
9	2007	51.7	41.3	93.0	28	-1.82
10	1988	54.7	43.5	98.2	31	-1.56
11	2006	57.4	41.3	98.7	34	-1.30
12	1991	30.9	68.8	99.6	38	-1.04
13	1980	19.6	82.5	102.1	41	-0.78
14	<b>2010</b>	<b>49.4</b>	<b>54.0</b>	<b>103.4</b>	<b>44</b>	<b>-0.52</b>
15	1996	53.0	50.6	103.6	47	-0.26
16	2000	48.8	55.7	104.5	50	0.00
17	2008	46.2	59.1	105.3	53	0.26
18	1982	41.9	63.7	105.6	56	0.52
19	1997	43.5	70.7	114.2	59	0.78
20	1987	52.1	64.0	116.1	63	1.04
21	2009	47.7	71.6	119.4	66	1.30
22	1985	54.6	65.6	120.2	69	1.56
23	1993	39.5	84.5	124.1	72	1.82
24	2001	49.9	77.3	127.2	75	2.08
25	1999	54.8	73.6	128.4	78	2.34
26	1984	44.9	86.8	131.7	81	2.60
27	2005	47.3	110.1	157.4	84	2.86
28	1986	49.1	109.5	158.6	88	3.13
29	1998	53.7	108.1	161.8	91	3.39
30	1995	35.9	128.3	164.2	94	3.65
31	1983	49.4	125.4	174.8	97	3.91

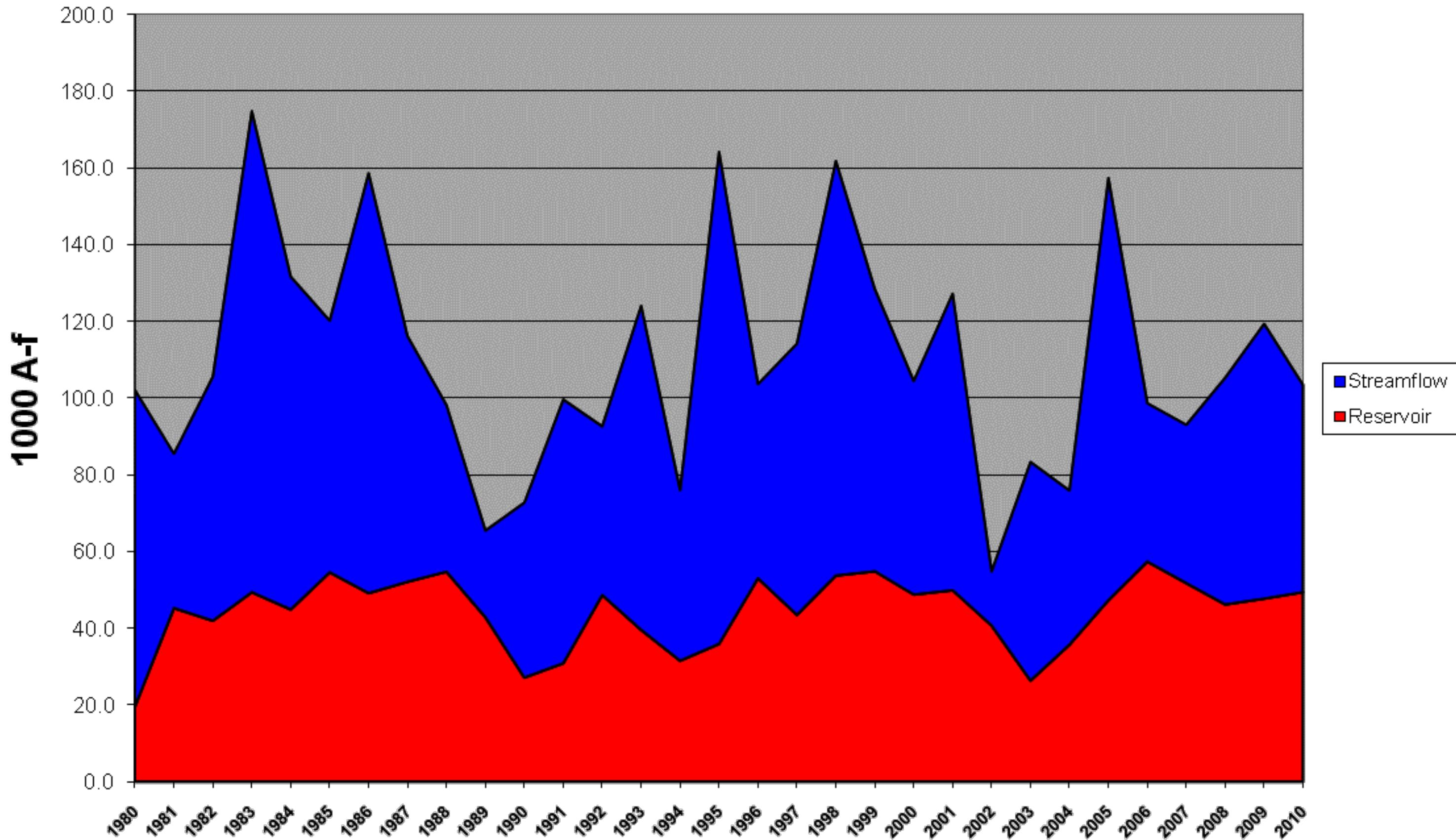
# Eastern Uintah Basin Surface Water Supply Index

## May



# Eastern Uintah Basin Surface Water Supply Index

## May



**WESTERN UNTA BASIN SWSI**

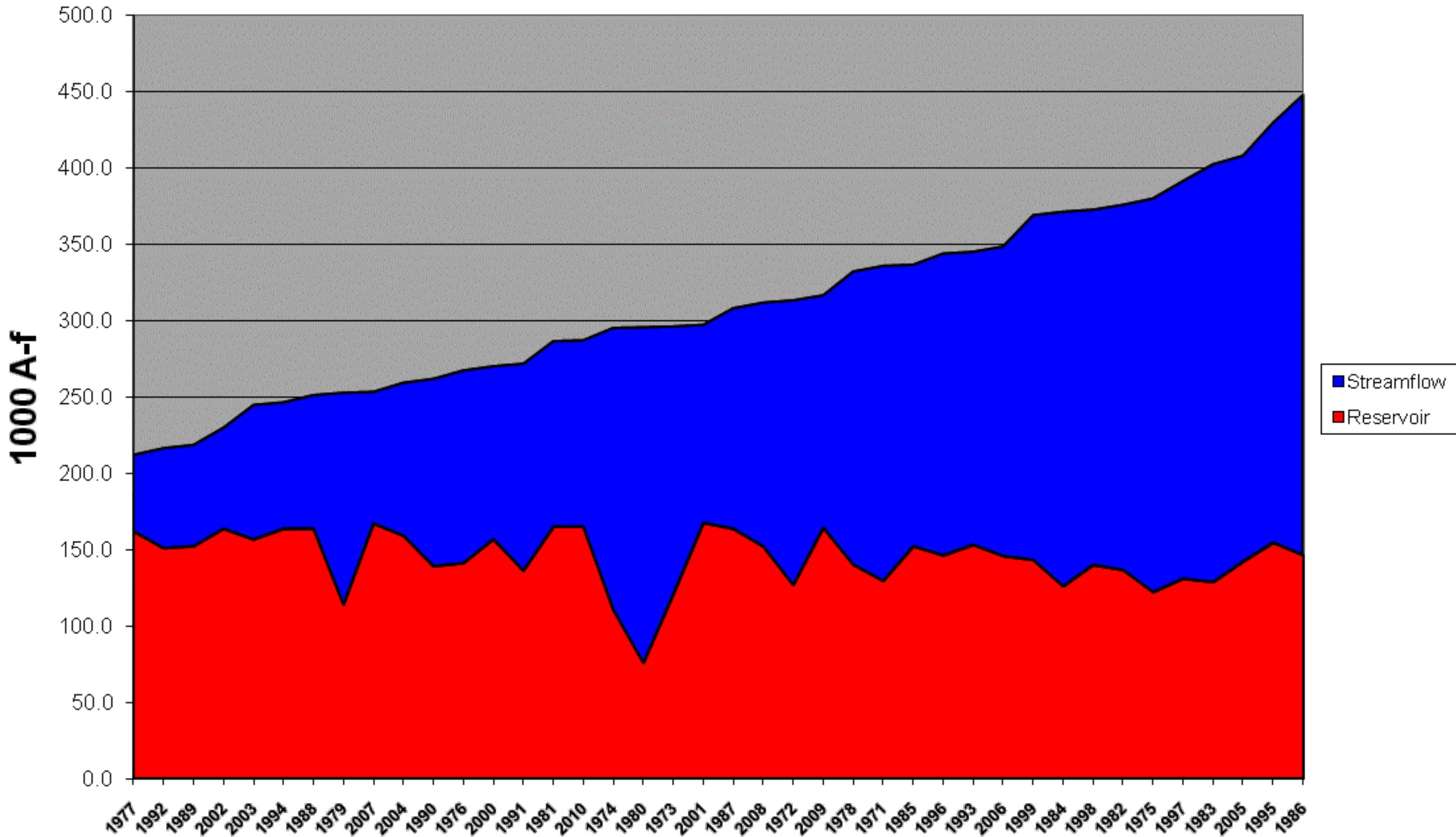
**May 1, 2010**

**# of years**      **40**

#	Year	EOM April Reservoir	May-Jul Streamflow	Reservoir + Streamflow	Probability	SWSI
		KAF	KAF	KAF		
1	1977	162.2	50.0	212.2	2	-3.96
2	1992	151.2	65.3	216.5	5	-3.76
3	1989	152.5	66.2	218.7	7	-3.56
4	2002	163.8	66.2	230.0	10	-3.35
5	2003	156.9	87.9	244.8	12	-3.15
6	1994	163.9	82.7	246.6	15	-2.95
7	1988	164.1	87.2	251.3	17	-2.74
8	1979	114.3	138.5	252.8	20	-2.54
9	2007	167.4	86.1	253.4	22	-2.34
10	2004	159.3	100.1	259.4	24	-2.13
11	1990	139.4	122.6	261.9	27	-1.93
12	1976	141.4	126.0	267.4	29	-1.73
13	2000	157.0	113.1	270.2	32	-1.52
14	1991	136.4	135.4	271.8	34	-1.32
15	1981	165.2	121.4	286.6	37	-1.12
16	<b>2010</b>	<b>165.2</b>	<b>122.0</b>	<b>287.2</b>	<b>39</b>	<b>-0.91</b>
17	1974	110.8	184.5	295.3	41	-0.71
18	1980	76.0	219.7	295.7	44	-0.51
19	1973	121.1	175.1	296.2	46	-0.30
20	2001	167.8	129.5	297.3	49	-0.10
21	1987	163.9	144.3	308.2	51	0.10
22	2008	152.3	159.5	311.8	54	0.30
23	1972	127.1	186.2	313.3	56	0.51
24	2009	164.6	152.0	316.6	59	0.71
25	1978	140.4	191.8	332.2	61	0.91
26	1971	129.7	206.2	335.9	63	1.12
27	1985	152.4	184.2	336.7	66	1.32
28	1996	146.4	197.5	343.9	68	1.52
29	1993	153.3	191.8	345.1	71	1.73
30	2006	146.0	202.5	348.6	73	1.93
31	1999	143.5	225.6	369.0	76	2.13
32	1984	126.2	245.1	371.3	78	2.34
33	1998	140.2	232.4	372.6	80	2.54
34	1982	136.9	239.0	375.8	83	2.74
35	1975	122.4	257.6	380.0	85	2.95
36	1997	131.2	260.2	391.4	88	3.15
37	1983	128.9	273.4	402.4	90	3.35
38	2005	142.4	265.5	407.9	93	3.56
39	1995	154.8	274.7	429.5	95	3.76
40	1986	146.6	301.1	447.7	98	3.96

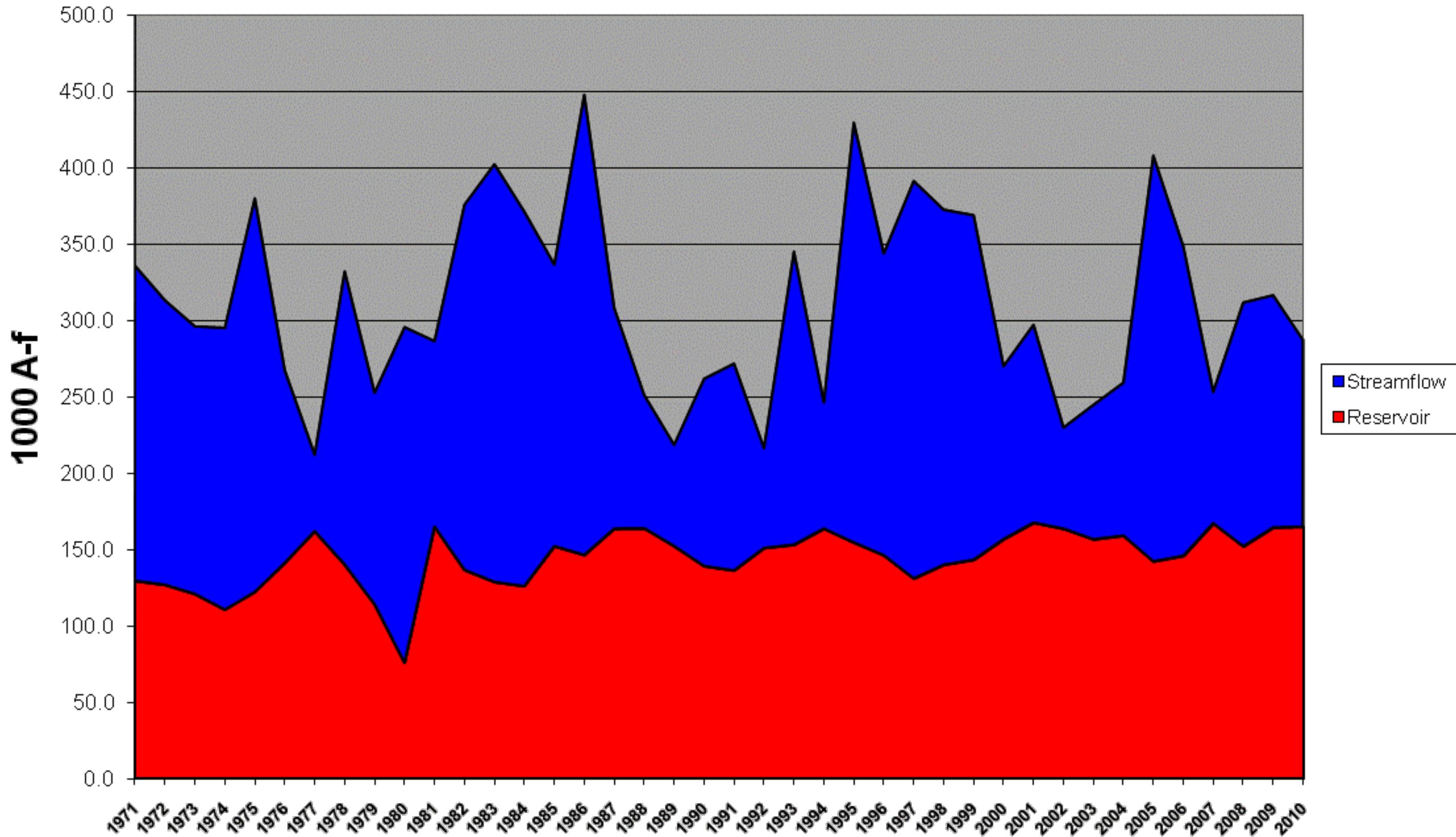
# Western Uintah Basin Surface Water Supply Index

## May



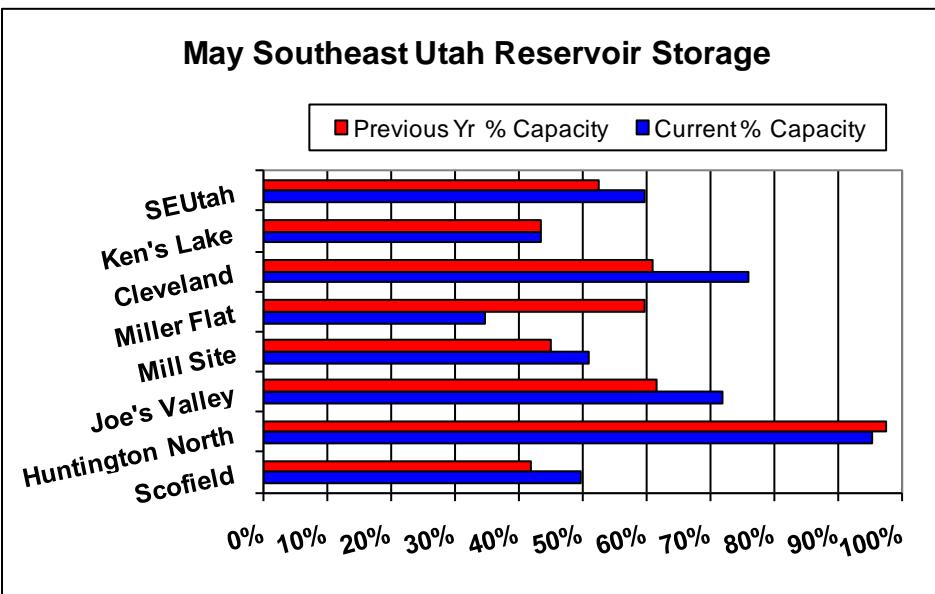
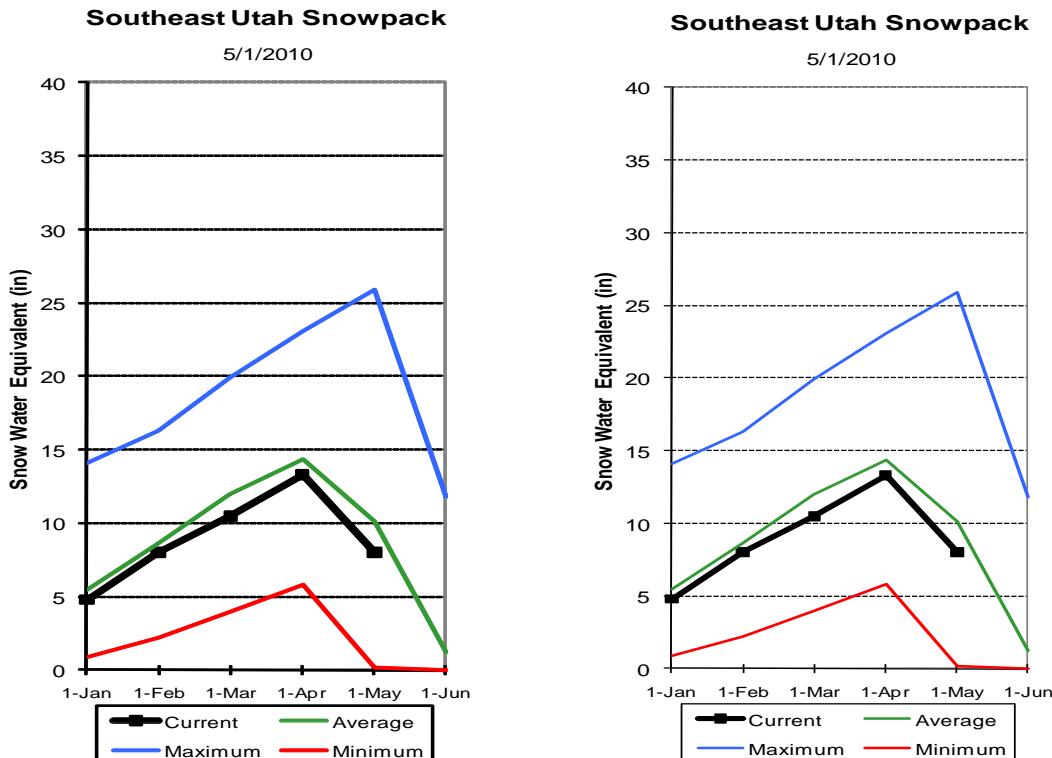
# Western Uintah Basin Surface Water Supply Index

## May



## Carbon, Emery, Wayne, Grand and San Juan Co. May 1, 2010

Snowpacks in this region are near normal at 79% of average, about 124% of last year. Individual sites range from bare at White River #3 to 200% of average at Camp Jackson. Precipitation during April was near average at 106%, bringing the seasonal accumulation (Oct-Apr) to 93% of normal. Soil moisture estimates in runoff producing areas are at 69% of saturation in the upper 2 feet of soil, 6% below last year at this time. Forecast streamflows (May – July) range from 48% to 117% of average. Reservoir storage is at 60% of capacity, up 8% from last year at this time. Surface Water Supply Indices for the area are: Price 31%, Joe's Valley 35%, Ferron Creek 26%, and Moab 63%. General runoff and water supply conditions are below to much below average on the Price, and San Rafael, and above average in the Book Cliffs, Abajos and Lasals.



## CARBON, EMERY, WAYNE, GRAND, &amp; SAN JUAN Co. as of May 1, 2010

 CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.  
 Streamflow Forecasts - May 1, 2010

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)	
Fish Creek ab Reservoir nr Scofield	APR-JUL	12.2	14.9	16.9	53	19.0	22	32
	MAY-JUL	10.0	12.7	14.7	52	16.8	20	29
Price River nr Scofield Reservoir (2)	APR-JUL	18.9	22	25	56	28	33	45
	MAY-JUL	14.9	18.4	21	53	24	29	40
White River blw Tabbyune Creek	APR-JUL	5.6	7.1	8.3	48	9.6	11.7	17.3
	MAY-JUL	3.8	5.3	6.5	48	7.8	9.9	13.6
Green River at Green River, UT (2)	APR-JUL	1350	1670	1910	60	2170	2590	3170
	MAY-JUL	1020	1340	1580	58	1840	2260	2740
Huntington Ck Inflow to Electric Lk	APR-JUL	5.4	7.0	8.2	52	9.5	11.7	15.7
	MAY-JUL	4.7	6.3	7.5	54	8.8	11.0	14.0
Huntington Ck nr Huntington (2)	APR-JUL	20	25	29	59	33	39	49
	MAY-JUL	18.6	23	27	60	31	37	45
Joe's Valley Reservoir Inflow	APR-JUL	19.8	27	32	55	38	47	58
	MAY-JUL	18.0	25	30	57	36	45	53
Ferron Ck (Upper Station) nr Ferron	APR-JUL	18.4	21	24	62	27	31	39
	MAY-JUL	17.0	20	23	64	26	30	36
Seven Mile Ck nr Fish Lake	APR-JUL	5.50	6.40	7.00	100	7.60	8.60	7.00
	MAY-JUL	4.70	5.60	6.20	102	6.80	7.80	6.10
Colorado River nr Cisco (2)	APR-JUL	2980	3080	3480	75	3950	4380	4650
	MAY-JUL	2300	2400	2800	69	3270	3700	4080
Mill Creek at Sheley Tunnel nr Moab	APR-JUL	3.60	4.40	5.00	100	5.60	6.70	5.00
	MAY-JUL	3.00	3.80	4.40	102	5.00	6.10	4.30
Muddy Creek nr Emery	APR-JUL	8.2	10.9	13.0	65	15.2	18.9	19.9
	MAY-JUL	7.6	10.3	12.4	69	14.6	18.3	18.0
Pine Creek nr Escalante	APR-JUL	1.68	2.20	2.50	104	2.90	3.50	2.40
	MAY-JUL	1.45	1.97	2.30	117	2.70	3.30	1.96
South Ck ab Lloyd's Res nr Monticell	MAR-JUL	1.12	1.39	1.61	117	1.86	2.30	1.38
	MAY-JUL	0.67	0.94	1.16	115	1.41	1.85	1.01
San Juan River nr Bluff (2)	APR-JUL	765	860	950	77	1050	1110	1230
	MAY-JUL	465	560	650	67	750	815	975

 CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.  
 Reservoir Storage (1000 AF) - End of April

 CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.  
 Watershed Snowpack Analysis - May 1, 2010

Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year as % of Last Yr	Average
		This Year   Year	Last Year Avg			
HUNTINGTON NORTH	4.2	4.0	4.1	4.1	PRICE RIVER	3 71 64
JOE'S VALLEY	61.6	44.3	38.0	41.9	SAN RAFAEL RIVER	3 74 70
KEN'S LAKE	2.3	1.0	1.0	1.6	MUDY CREEK	1 178 78
MILL SITE	16.7	8.5	7.5	9.9	FREMONT RIVER	3 3300 95
SCOFIELD	65.8	32.8	27.6	37.4	LASAL MOUNTAINS	1 0 66
					BLUE MOUNTAINS	1 0 200
					WILLOW CREEK	1 0 90
					SOUTHEASTERN UTAH	13 126 79

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

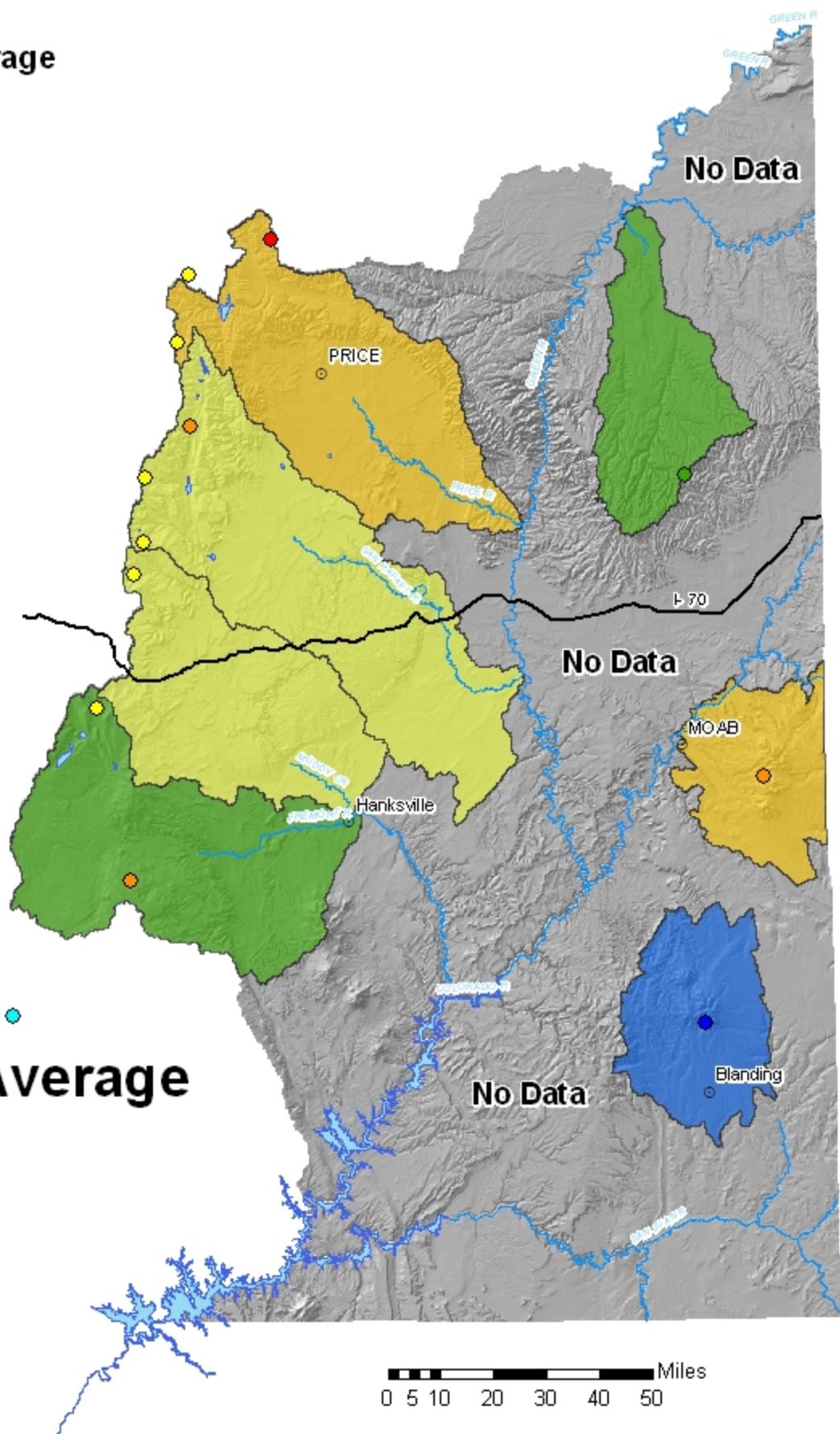
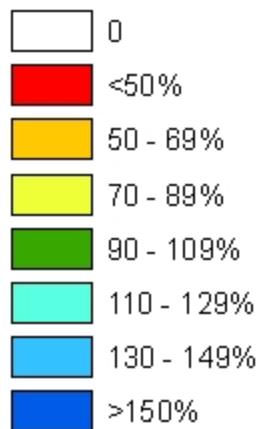
(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

# Carbon, Emery, Wayne Grand & San Juan Basins



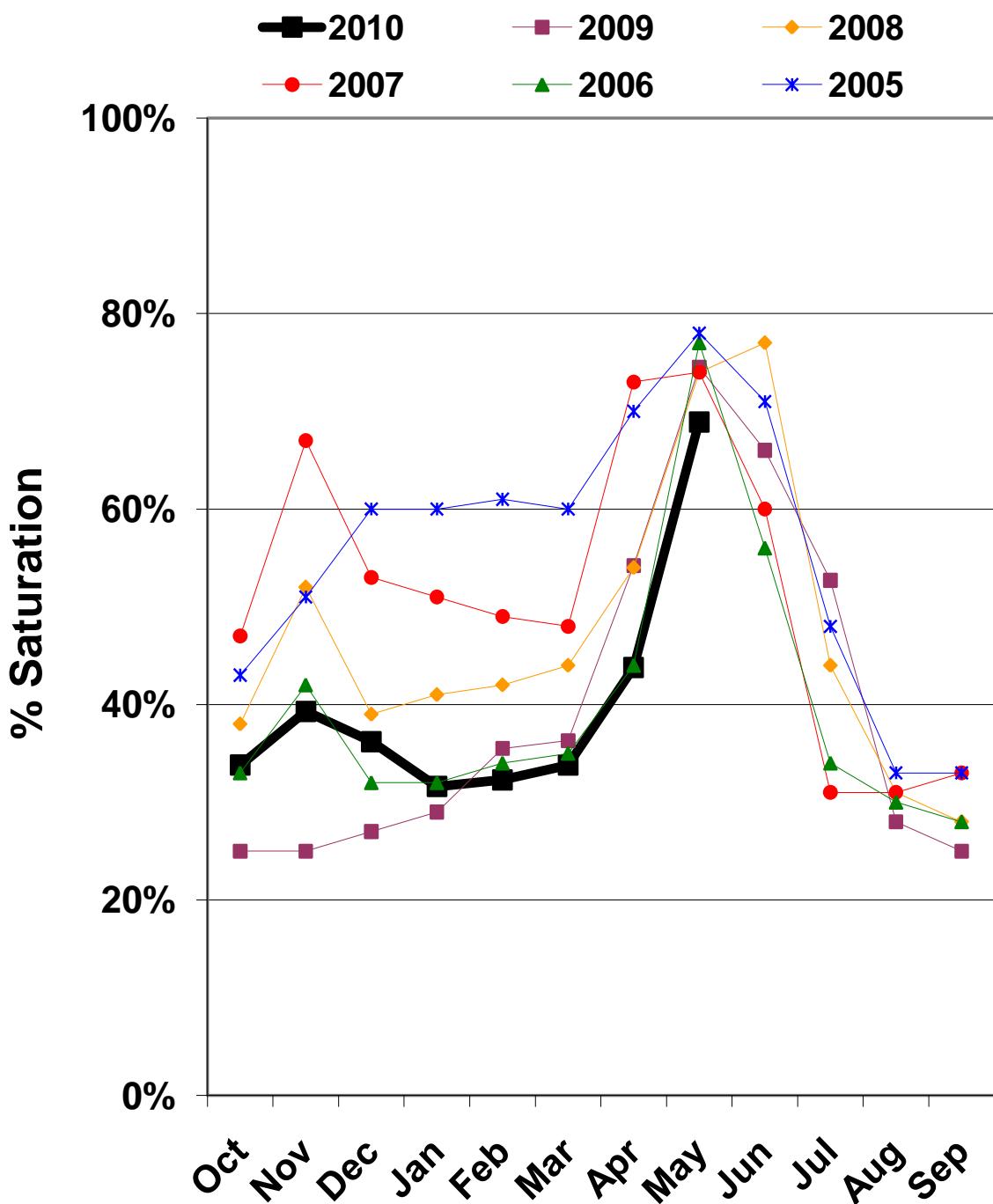
## Watershed % of Average



## Basinwide Average

79 %

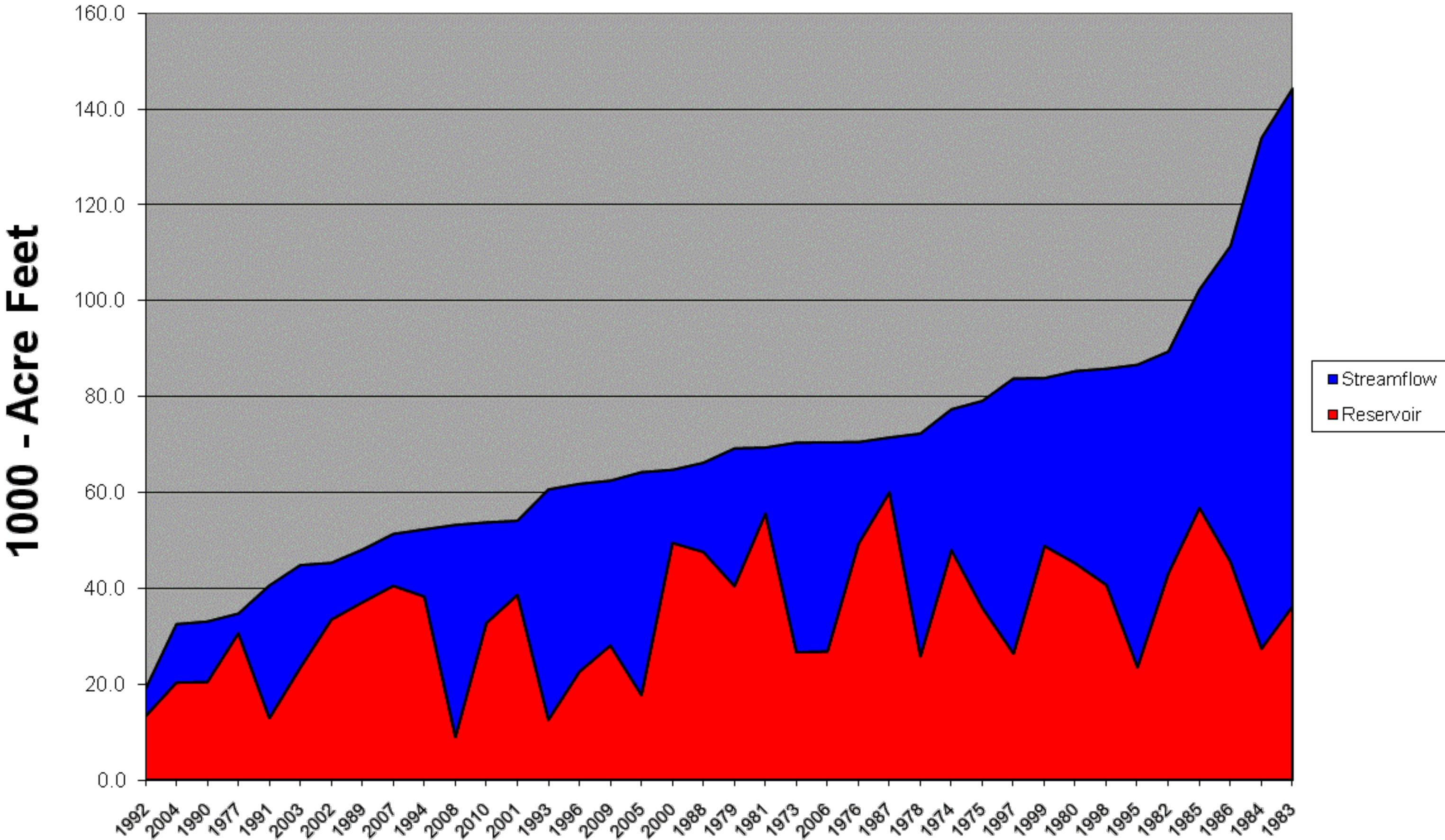
# Southeast Utah Soil Moisture



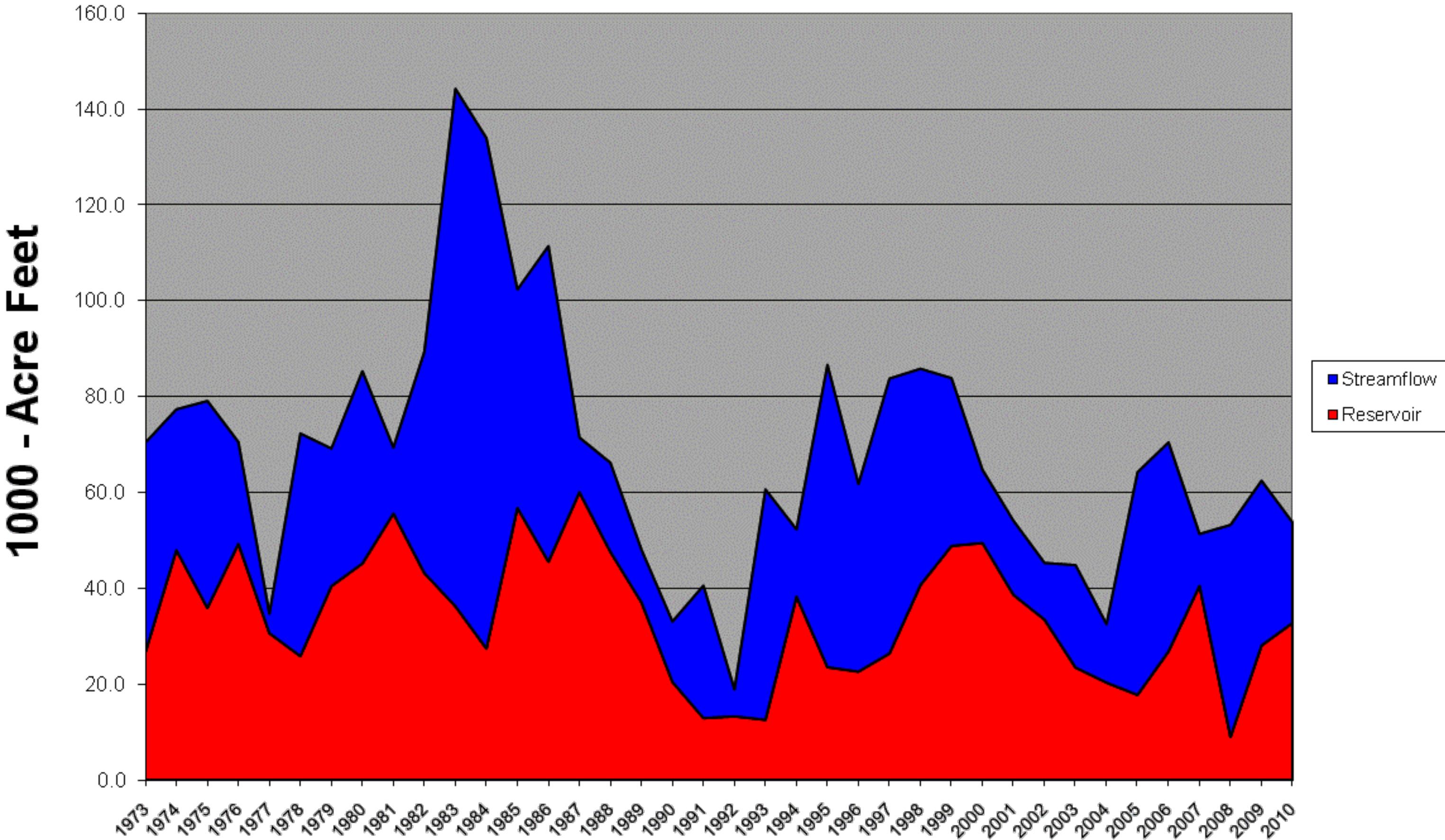
*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

		<b>Price</b>	<b>River</b>	<b>SWI</b>		
		<b>May</b>				
		<b>EOM April Scofield Storage</b>	<b>May-July Forecast Streamflow - Price nr Scofield</b>			
				<b>Reservoir + Streamflow</b>		
#	Year	<b>1000-AF</b>	<b>1000-AF</b>	<b>1000-AF</b>	<b>Probability</b>	<b>SWI</b>
1	1992	13.3	5.6	19.0	3	-3.95
2	2004	20.4	12.2	32.6	5	-3.74
3	1990	20.5	12.6	33.1	8	-3.53
4	1977	30.7	4.1	34.8	10	-3.31
5	1991	13.0	27.7	40.6	13	-3.10
6	2003	23.5	21.4	44.9	15	-2.88
7	2002	33.5	11.9	45.4	18	-2.67
8	1989	37.1	11.0	48.1	21	-2.46
9	2007	40.6	10.8	51.4	23	-2.24
10	1994	38.3	14.0	52.3	26	-2.03
11	2008	9.0	44.2	53.3	28	-1.82
12	<b>2010</b>	<b>32.8</b>	<b>21.0</b>	<b>53.8</b>	<b>31</b>	<b>-1.60</b>
13	2001	38.7	15.5	54.1	33	-1.39
14	1993	12.6	48.1	60.7	36	-1.18
15	1996	22.6	39.2	61.8	38	-0.96
16	2009	28.1	34.4	62.5	41	-0.75
17	2005	17.8	46.5	64.3	44	-0.53
18	2000	49.5	15.3	64.8	46	-0.32
19	1988	47.6	18.6	66.3	49	-0.11
20	1979	40.5	28.7	69.2	51	0.11
21	1981	55.6	13.8	69.4	54	0.32
22	1973	26.7	43.8	70.5	56	0.53
23	2006	26.9	43.6	70.5	59	0.75
24	1976	49.3	21.3	70.6	62	0.96
25	1987	60.1	11.4	71.5	64	1.18
26	1978	25.9	46.5	72.3	67	1.39
27	1974	48.0	29.4	77.4	69	1.60
28	1975	35.9	43.2	79.2	72	1.82
29	1997	26.4	57.4	83.8	74	2.03
30	1999	48.9	35.0	83.9	77	2.24
31	1980	45.2	40.1	85.4	79	2.46
32	1998	40.7	45.1	85.9	82	2.67
33	1995	23.6	63.1	86.7	85	2.88
34	1982	43.2	46.3	89.5	87	3.10
35	1985	56.8	45.6	102.4	90	3.31
36	1986	45.6	65.9	111.5	92	3.53
37	1984	27.5	106.5	134.0	95	3.74
38	1983	36.3	108.0	144.3	97	3.95

# Price River SWSI

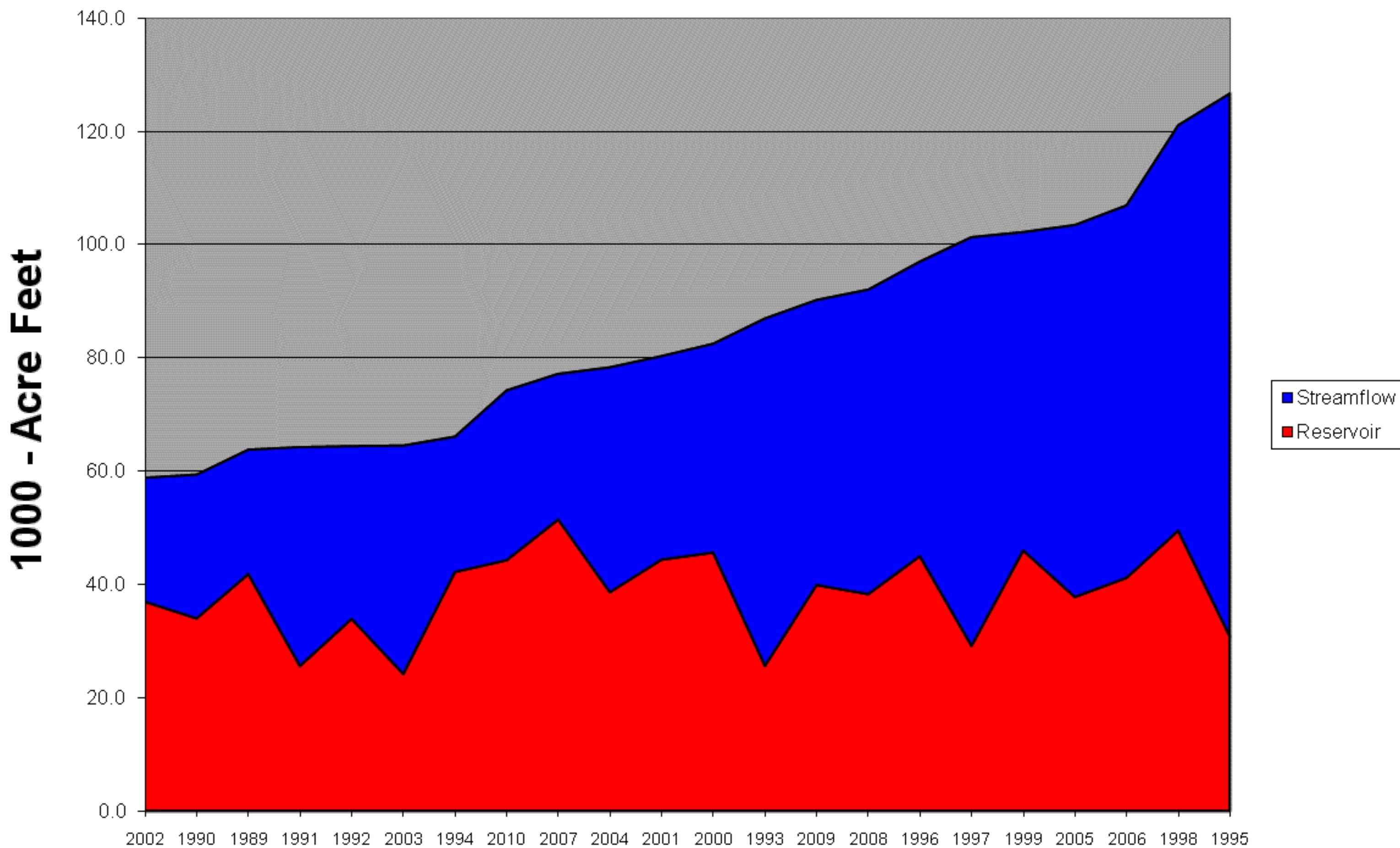


# Price River SWSI

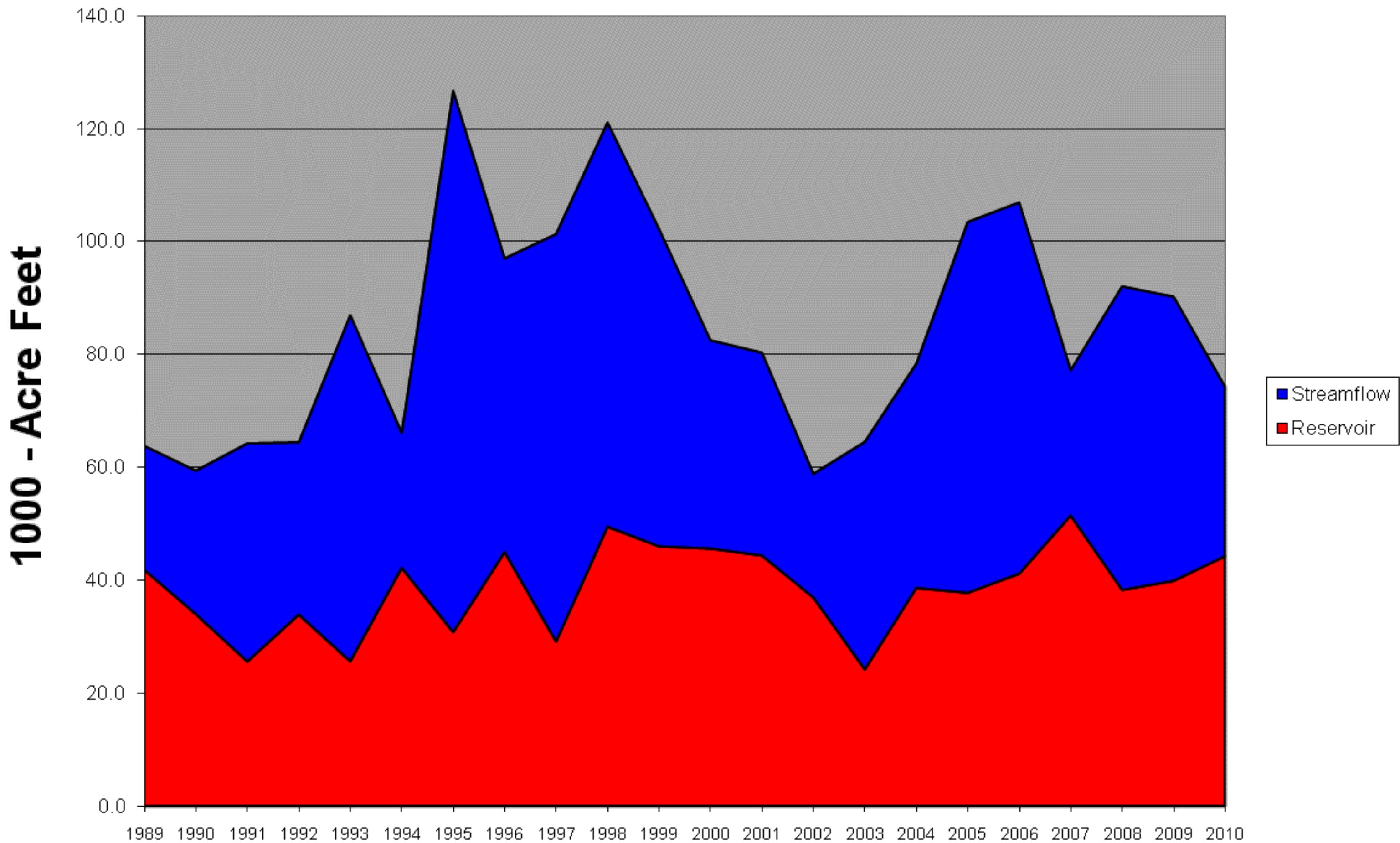


		<b>Joe's</b>	<b>Valley</b>	<b>SWSI</b>		
			<b>May</b>			
			<b>May-July Forecast</b>			
		<b>EOM April</b>				
		<b>Joe's</b>				
		<b>Valley</b>				
		<b>Storage</b>	<b>Streamflow - Joe's Valley Inflow</b>	<b>Reservoir + Streamflow</b>		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	2002	37.0	21.9	58.9	4	-3.80
2	1990	34.0	25.4	59.4	9	-3.44
3	1989	41.9	22.0	63.8	13	-3.08
4	1991	25.6	38.7	64.3	17	-2.72
5	1992	34.0	30.5	64.5	22	-2.36
6	2003	24.2	40.3	64.6	26	-1.99
7	1994	42.2	23.9	66.1	30	-1.63
8	<b>2010</b>	<b>44.3</b>	<b>30.0</b>	<b>74.3</b>	<b>35</b>	<b>-1.27</b>
9	2007	51.5	25.7	77.2	39	-0.91
10	2004	38.7	39.7	78.4	43	-0.54
11	2001	44.4	36.0	80.4	48	-0.18
12	2000	45.7	36.9	82.5	52	0.18
13	1993	25.7	61.3	87.0	57	0.54
14	2009	39.9	50.3	90.3	61	0.91
15	2008	38.3	53.8	92.1	65	1.27
16	1996	45.0	52.0	97.0	70	1.63
17	1997	29.2	72.2	101.4	74	1.99
18	1999	46.0	56.2	102.3	78	2.36
19	2005	37.8	65.7	103.5	83	2.72
20	2006	41.2	65.8	107.0	87	3.08
21	1998	49.5	71.6	121.1	91	3.44
22	1995	30.8	95.9	126.7	96	3.80

## Joe's Valley SWSI

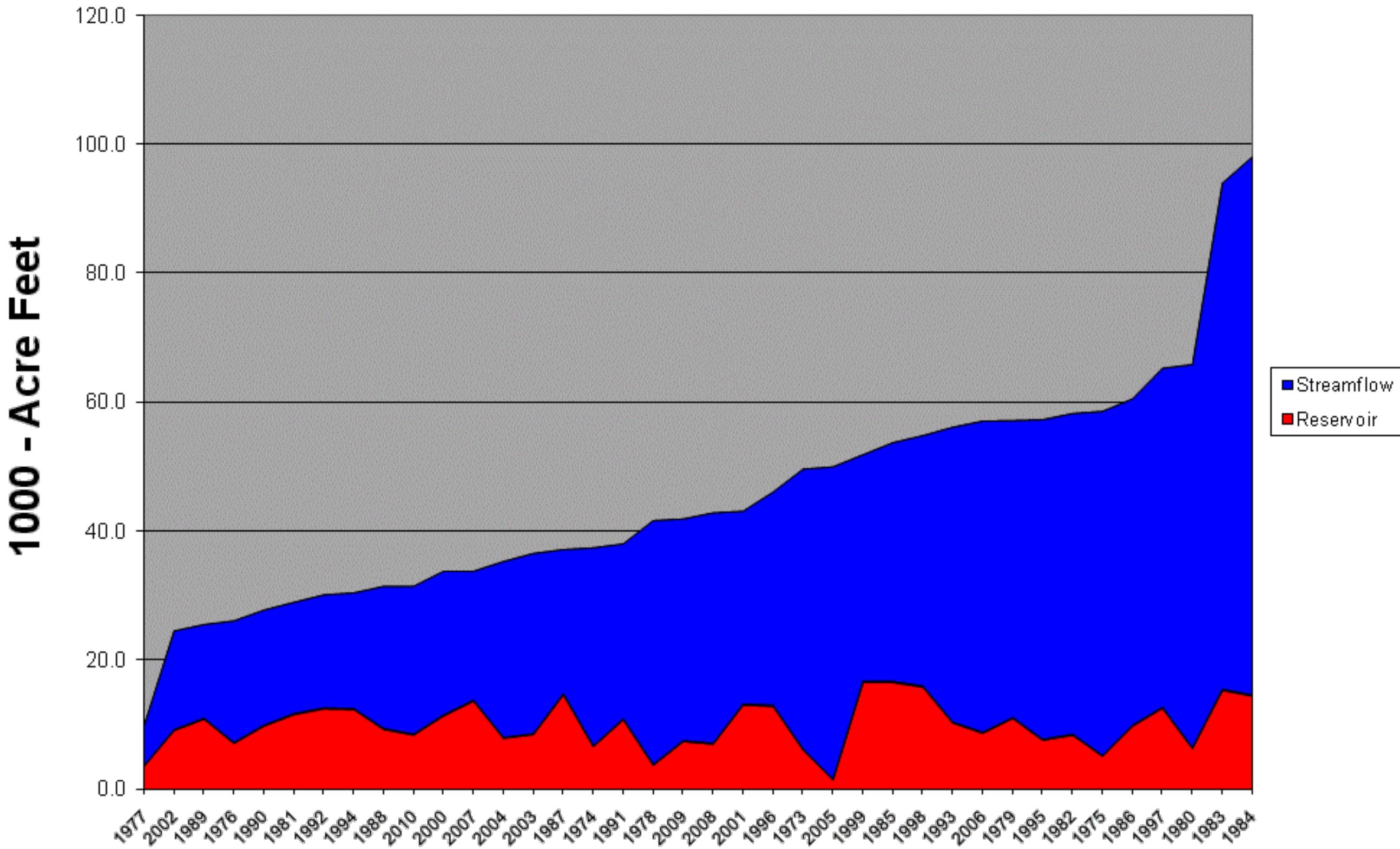


## Joe's Valley SWSI

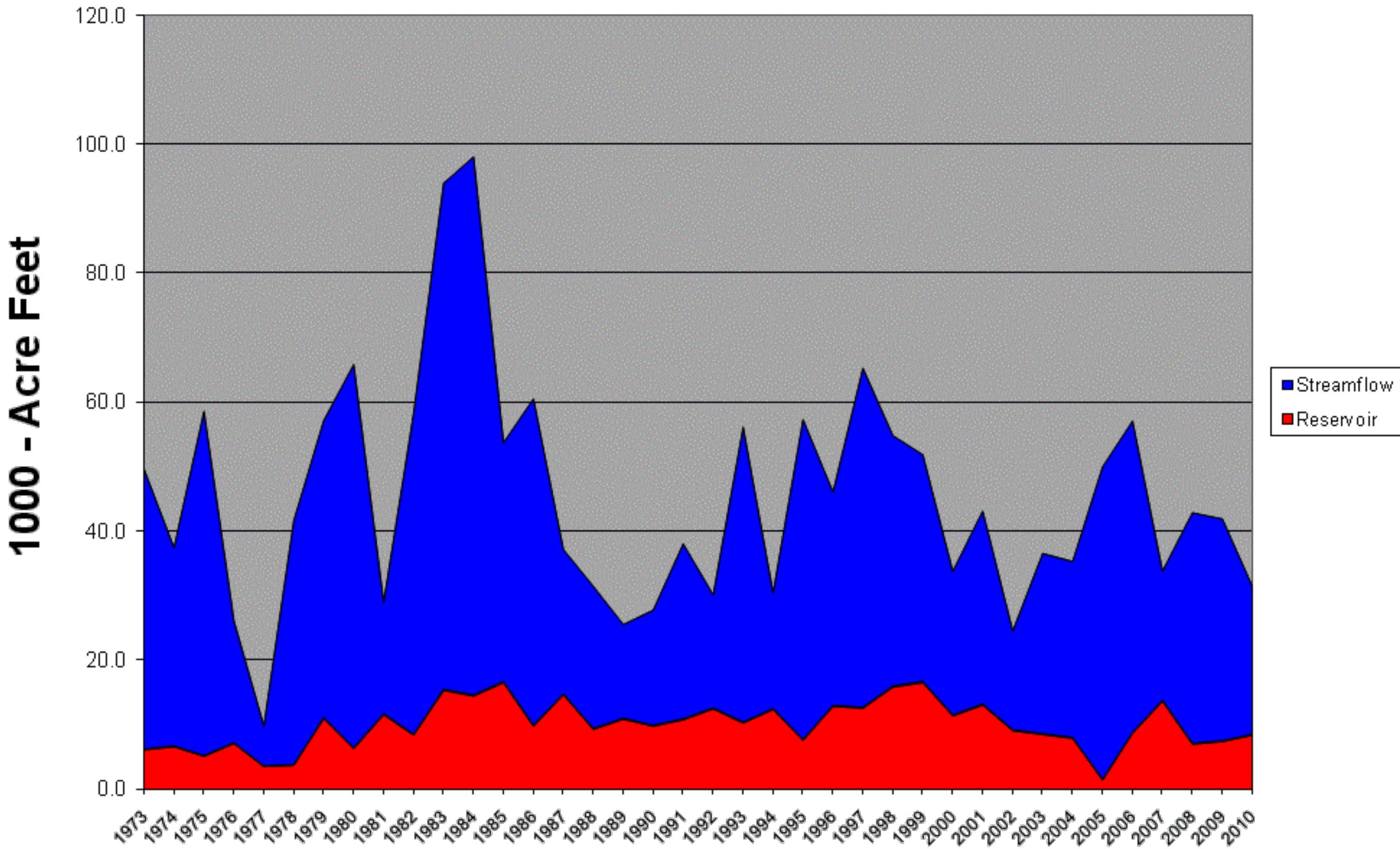


<b>Ferron Creek SWSI</b>						
<b>May</b>						
#	Year	EOM April Millsite Reservoir Storage 1000AF	May-July Forecast Streamflow - Ferron Creek	Reservoir + Streamflow 1000AF	Probability	SWSI
1	1977	3.6	6.2	9.8	3	-3.95
2	2002	9.2	15.4	24.6	5	-3.74
3	1989	11.0	14.6	25.6	8	-3.53
4	1976	7.2	18.9	26.1	10	-3.31
5	1990	9.9	17.9	27.8	13	-3.10
6	1981	11.7	17.3	29.0	15	-2.88
7	1992	12.6	17.6	30.2	18	-2.67
8	1994	12.5	18.0	30.5	21	-2.46
9	1988	9.4	22.1	31.5	23	-2.24
10	<b>2010</b>	<b>8.5</b>	<b>23.0</b>	<b>31.5</b>	<b>26</b>	<b>-2.03</b>
11	2000	11.5	22.3	33.8	28	-1.82
12	2007	13.8	20.0	33.8	31	-1.60
13	2004	8.0	27.4	35.4	33	-1.39
14	2003	8.6	28.0	36.6	36	-1.18
15	1987	14.8	22.4	37.2	38	-0.96
16	1974	6.7	30.8	37.5	41	-0.75
17	1991	10.9	27.2	38.1	44	-0.53
18	1978	3.8	37.9	41.7	46	-0.32
19	2009	7.5	34.5	42.0	49	-0.11
20	2008	7.1	35.8	42.9	51	0.11
21	2001	13.2	30.0	43.2	54	0.32
22	1996	13.0	33.1	46.1	56	0.53
23	1973	6.2	43.5	49.7	59	0.75
24	2005	1.5	48.5	50.0	62	0.96
25	1999	16.7	35.2	51.9	64	1.18
26	1985	16.7	37.1	53.8	67	1.39
27	1998	16.0	38.9	54.9	69	1.60
28	1993	10.4	45.8	56.2	72	1.82
29	2006	8.8	48.3	57.1	74	2.03
30	1979	11.1	46.1	57.2	77	2.24
31	1995	7.7	49.7	57.4	79	2.46
32	1982	8.5	49.8	58.3	82	2.67
33	1975	5.2	53.5	58.7	85	2.88
34	1986	9.9	50.7	60.6	87	3.10
35	1997	12.7	52.7	65.4	90	3.31
36	1980	6.4	59.5	65.9	92	3.53
37	1983	15.5	78.6	94.1	95	3.74
38	1984	14.6	83.6	98.2	97	3.95

## Ferron Creek SWSI

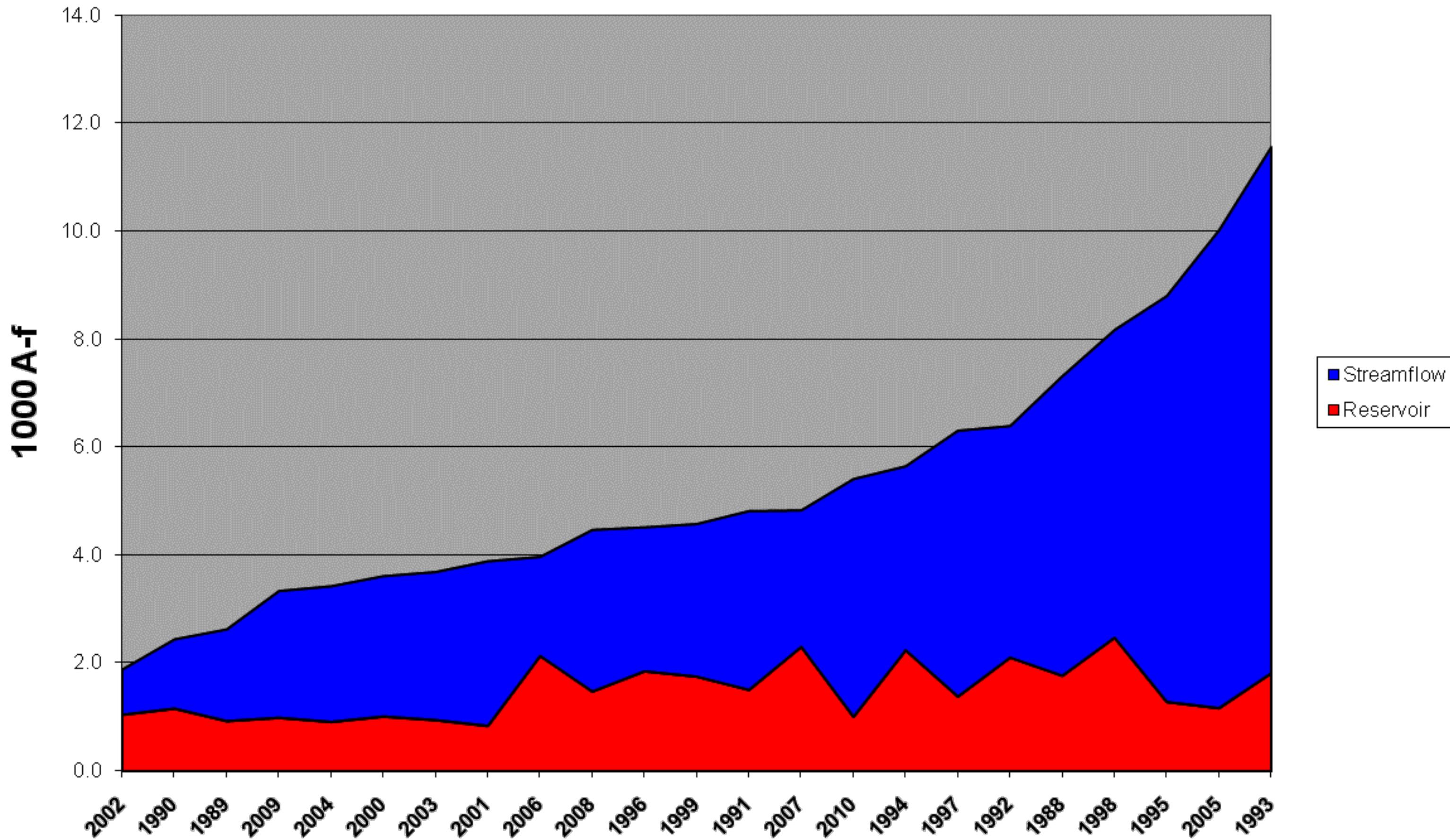


## Ferron Creek SWSI

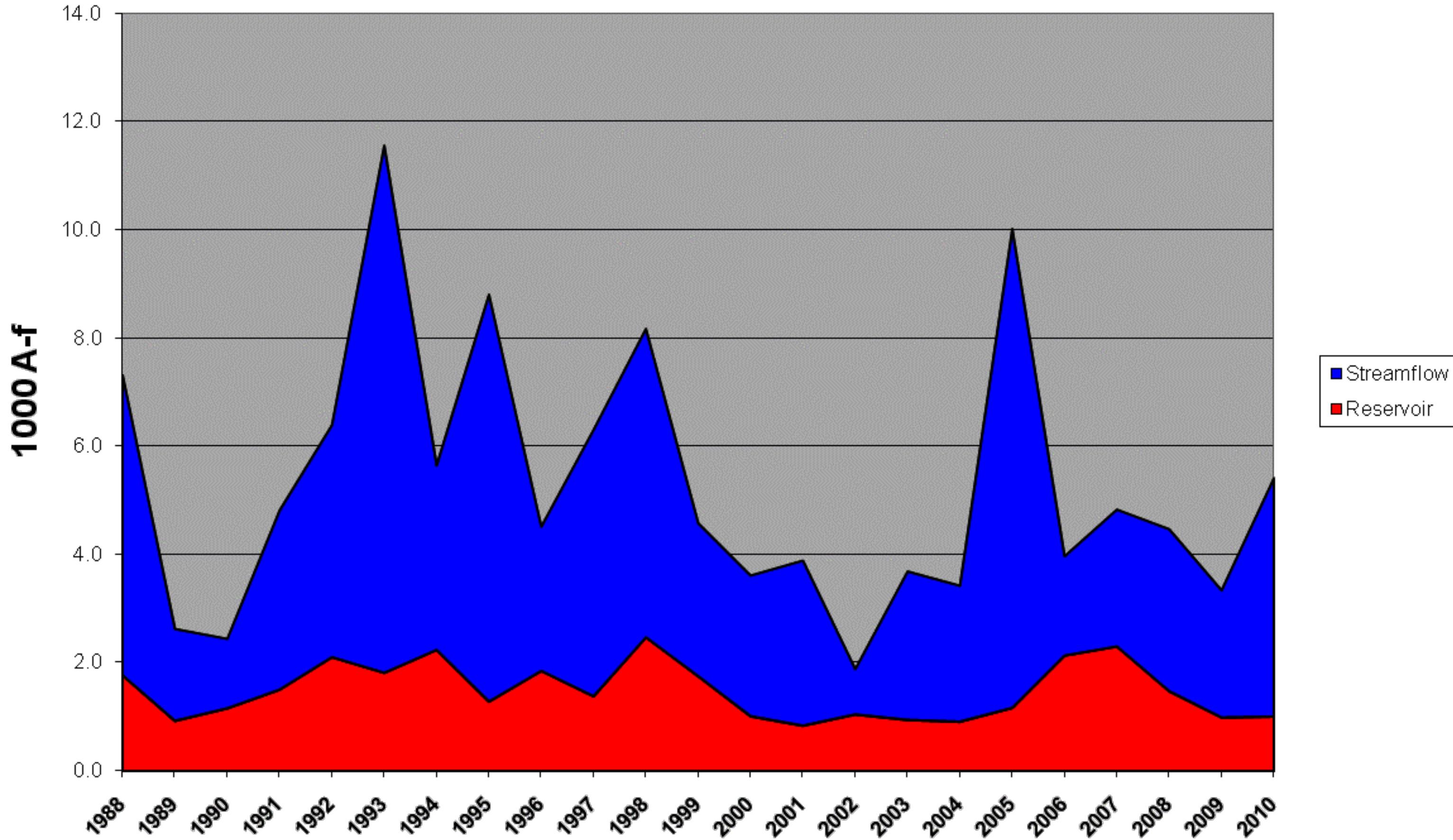


<b>Moab SWSI</b>						
<b>May</b>						
#	Year	EOM April Ken's Lake Reservoir Storage	May-July Forecast Streamflow - Mill Creek @ Sheley	Reservoir + Streamflow	Probability	SWSI
1	2002	1.0	0.8	1.9	4	-3.82
2	1990	1.2	1.3	2.4	8	-3.47
3	1989	0.9	1.7	2.6	13	-3.13
4	2009	1.0	2.3	3.3	17	-2.78
5	2004	0.9	2.5	3.4	21	-2.43
6	2000	1.0	2.6	3.6	25	-2.08
7	2003	0.9	2.7	3.7	29	-1.74
8	2001	0.8	3.0	3.9	33	-1.39
9	2006	2.1	1.8	4.0	38	-1.04
10	2008	1.5	3.0	4.5	42	-0.69
11	1996	1.8	2.7	4.5	46	-0.35
12	1999	1.7	2.8	4.6	50	0.00
13	1991	1.5	3.3	4.8	54	0.35
14	2007	2.3	2.5	4.8	58	0.69
15	<b>2010</b>	<b>1.0</b>	<b>4.4</b>	<b>5.4</b>	<b>63</b>	<b>1.04</b>
16	1994	2.2	3.4	5.6	67	1.39
17	1997	1.4	4.9	6.3	71	1.74
18	1992	2.1	4.3	6.4	75	2.08
19	1988	1.8	5.5	7.3	79	2.43
20	1998	2.5	5.7	8.2	83	2.78
21	1995	1.3	7.5	8.8	88	3.13
22	2005	1.2	8.8	10.0	92	3.47
23	1993	1.8	9.7	11.5	96	3.82

# Moab SWSI



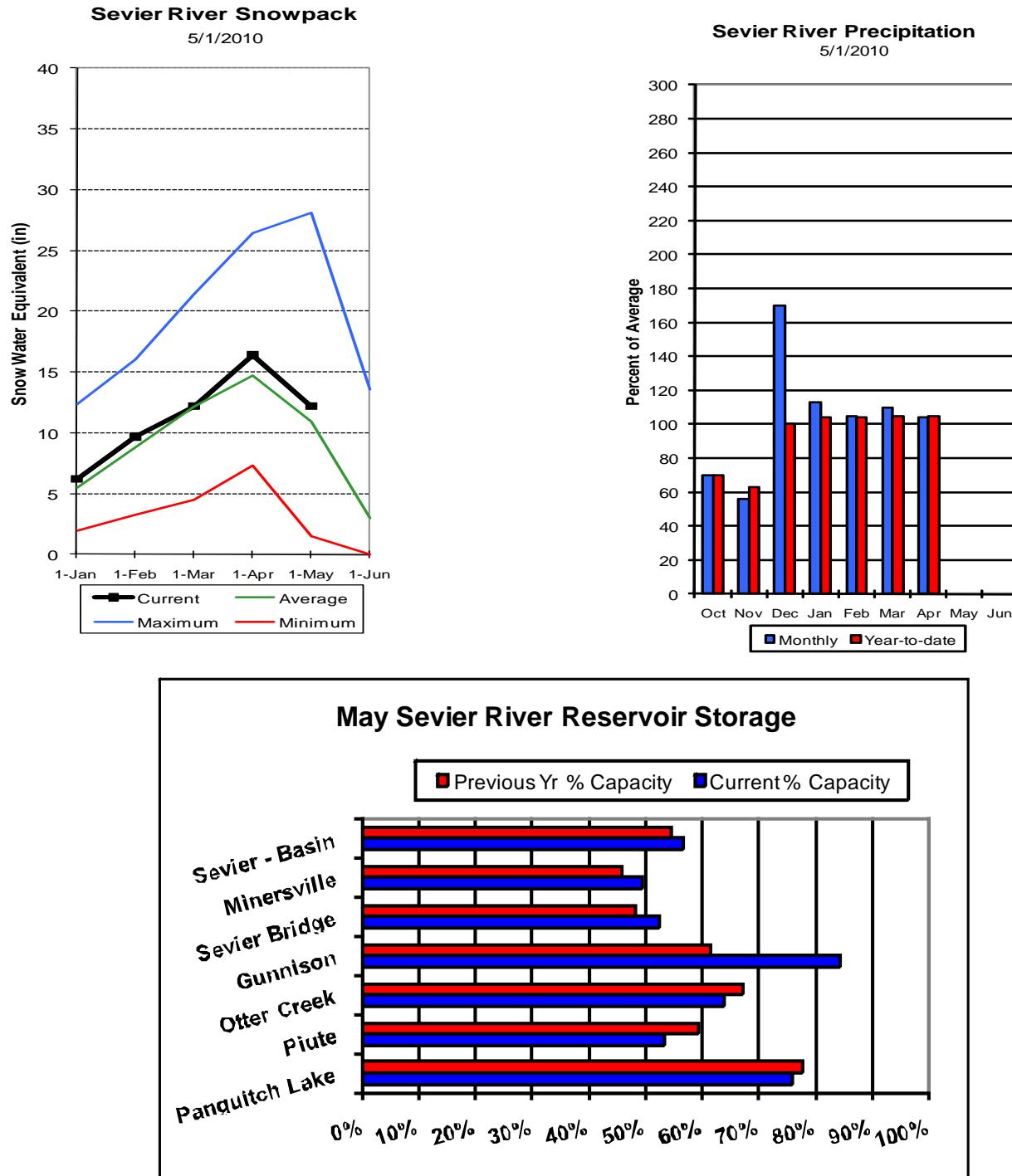
# Moab SWSI



## Sevier and Beaver River Basins

### May 1, 2010

Snowpacks on the Sevier River Basin are slightly above normal at 112% of average, a 1% increase relative to last month and 130% of last year. Individual sites range from bare at Harris Flat and Long Valley Jct to 197% of average at Squaw Springs. Precipitation during April was near average at 104% of normal, bringing the seasonal accumulation (Oct-April) to 105% of average. Soil moisture estimates in runoff producing areas are at 61% of saturation in the upper 2 feet of soil compared to 71% last year. Streamflow forecasts range from 58% to 163% of average. Reservoir storage is at 57% of capacity, 3% more than last year. Surface Water Supply Indices are: Upper Sevier 35%, Lower Sevier 46% and Beaver 62%. Water supply conditions are below average on the upper Sevier, and near average on the lower Sevier and the Beaver River watersheds.



## SEVIER &amp; BEAVER RIVER BASINS as of May 1, 2010

SEVIER & BEAVER RIVER BASINS Streamflow Forecasts - May 1, 2010											
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>								30-Yr Avg. (1000AF)	
		Chance Of Exceeding *		90% (1000AF) 70% (1000AF)		50% (1000AF) (% AVG.)		30% (1000AF) 10% (1000AF)			
		40	156	48	66	26	64	89	24		
Mammoth Ck nr Hatch, UT	APR-JUL	14.0	32	39	163		77	86	55		
	MAY-JUL	3.8	14.0				70	76	48		
Sevier R at Hatch, UT	APR-JUL	56	65	71	129						
	MAY-JUL	54	60	65	135						
Sevier R nr Kingston	APR-JUL	30	42	51	155		60	72	33		
	MAY-JUL	22	34	42	162		50	62	26		
EF Sevier R nr Kingston	APR-JUL	21	32	39	111		46	57	35		
	MAY-JUL	18.4	30	38	127		46	58	30		
Sevier R blw Piute Dam	APR-JUL	44	71	90	136		109	136	66		
	MAY-JUL	34	59	80	146		104	145	55		
Clear Ck abv Diversions nr Sevier	APR-JUL	16.2	21	24	109		26	31	22		
	MAY-JUL	14.5	17.7	20	112		22	26	17.9		
Salina Ck nr Emery	APR-JUL	3.80	6.20	7.80	87		9.40	11.80	9.00		
	MAY-JUL	3.80	5.90	7.40	93		8.90	11.00	8.00		
Salina Ck at Salina	APR-JUL	6.6	11.6	15.7	80		20	29	19.7		
	MAY-JUL	6.4	10.6	14.0	81		17.9	24	17.4		
Manti Ck Blw Dugway Ck Nr Manti	APR-JUL	7.6	9.6	11.1	61		12.7	15.3	18.3		
	MAY-JUL	6.7	8.6	10.0	59		11.5	14.0	17.1		
Sevier R nr Gunnison	APR-JUL	3.0	31	84	79		138	215	106		
	MAY-JUL	1.7	28	75	87		114	157	86		
Chicken Creek nr Levan	APR-JUL	2.50	3.00	3.40	76		3.80	4.50	4.50		
	MAY-JUL	0.91	1.66	2.30	68		3.00	4.30	3.40		
Oak Creek nr Oak City	APR-JUL	0.90	1.13	1.30	78		1.48	1.77	1.66		
	MAY-JUL	0.33	0.53	0.70	65		0.89	1.21	1.07		
Beaver R nr Beaver, UT	APR-JUL	21	28	32	119		37	44	27		
	MAY-JUL	16.7	25	30	125		35	43	24		
Minersville Resv Inflow	APR-JUL	7.2	11.4	15.1	91		19.5	27	16.6		
	MAY-JUL	6.7	11.2	15.0	103		19.3	27	14.5		

SEVIER & BEAVER RIVER BASINS Reservoir Storage (1000 AF) - End of April				SEVIER & BEAVER RIVER BASINS Watershed Snowpack Analysis - May 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of	Last Yr	Average
		This Year Last Year Avg						
GUNNISON	20.3	17.1 12.5 15.7	UPPER SEVIER RIVER	8	177	135		
MINERSVILLE (RkyFd)	23.3	11.5 10.7 18.0	EAST FORK SEVIER RIVER	3	203	115		
OTTER CREEK	52.5	33.6 35.3 46.0	SOUTH FORK SEVIER RIVER	5	161	144		
PIUTE	71.8	38.4 42.6 55.5	LOWER SEVIER RIVER	6	106	87		
SEVIER BRIDGE	236.0	123.4 113.5 183.6	BEAVER RIVER	2	104	128		
PANGUITCH LAKE	22.3	16.9 17.3 164.6	SEVIER & BEAVER RIVER BAS	16	134	112		

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

# Sevier & Beaver Basins



## Snotel % of Average

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%

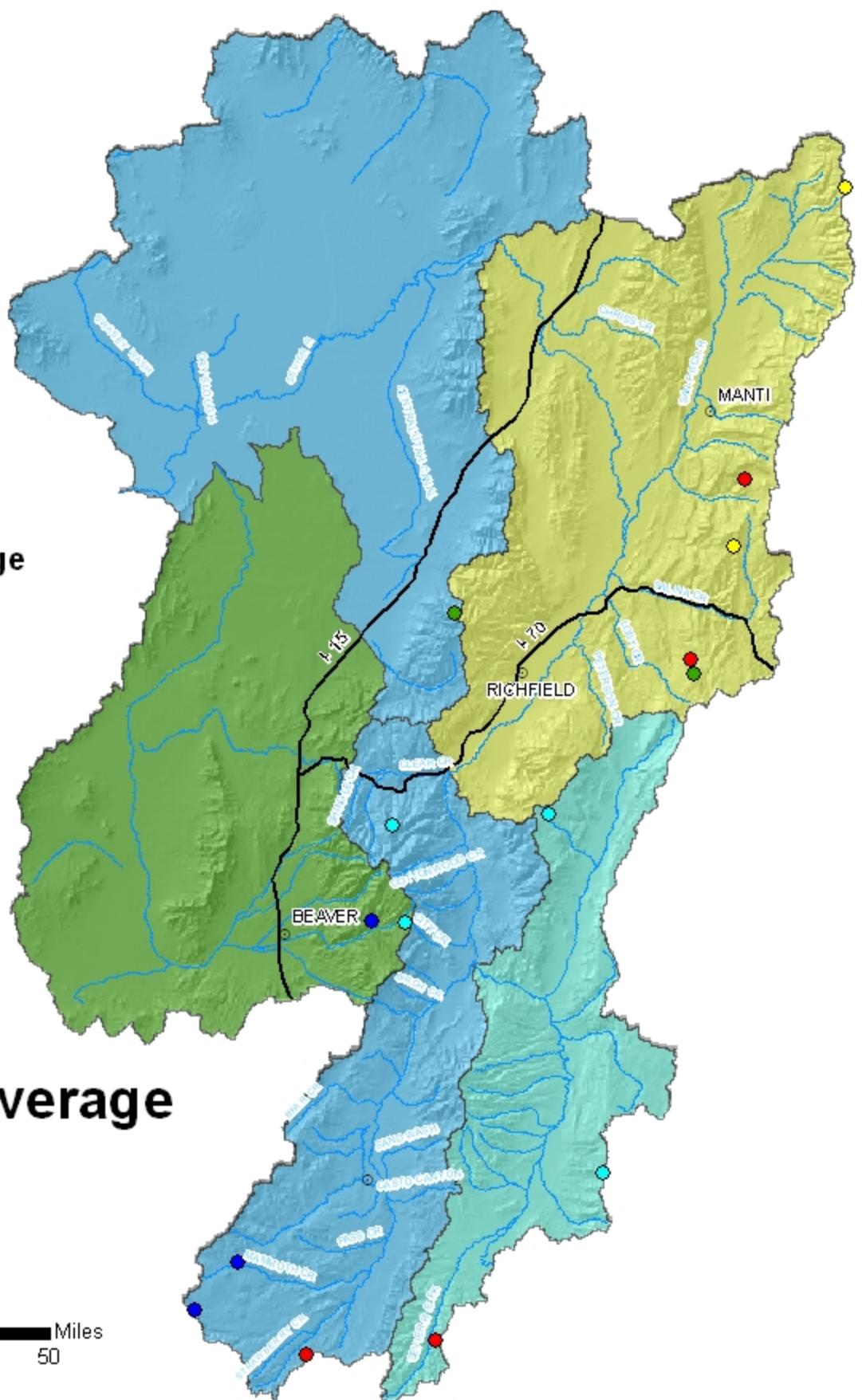
## Watershed % of Average

- 0
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- >150%

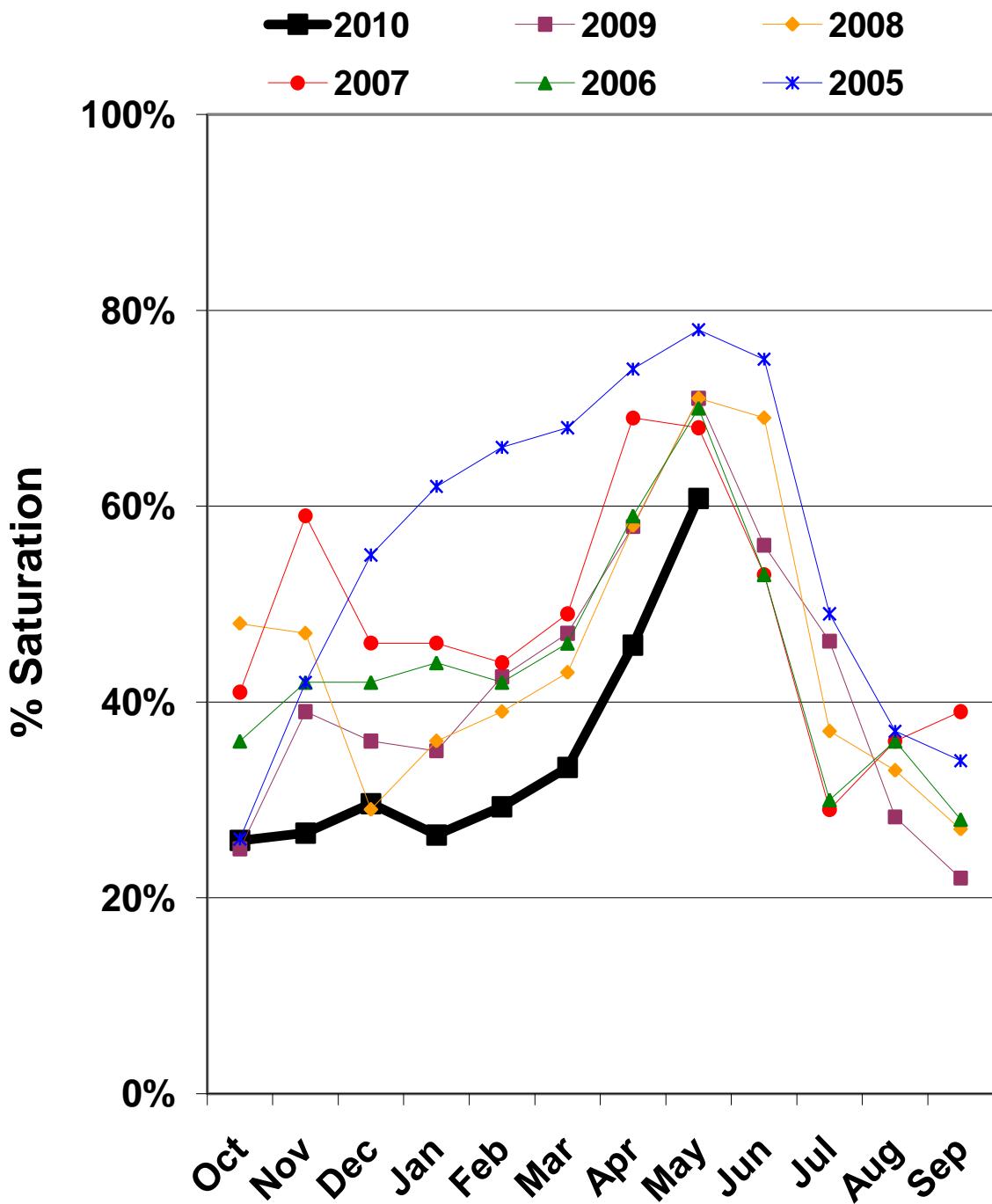
**Basinwide Average  
112%**

0 5 10 20 30 40 50 Miles

*Provisional Data  
Subject to Revision*



# Sevier/Beaver River Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

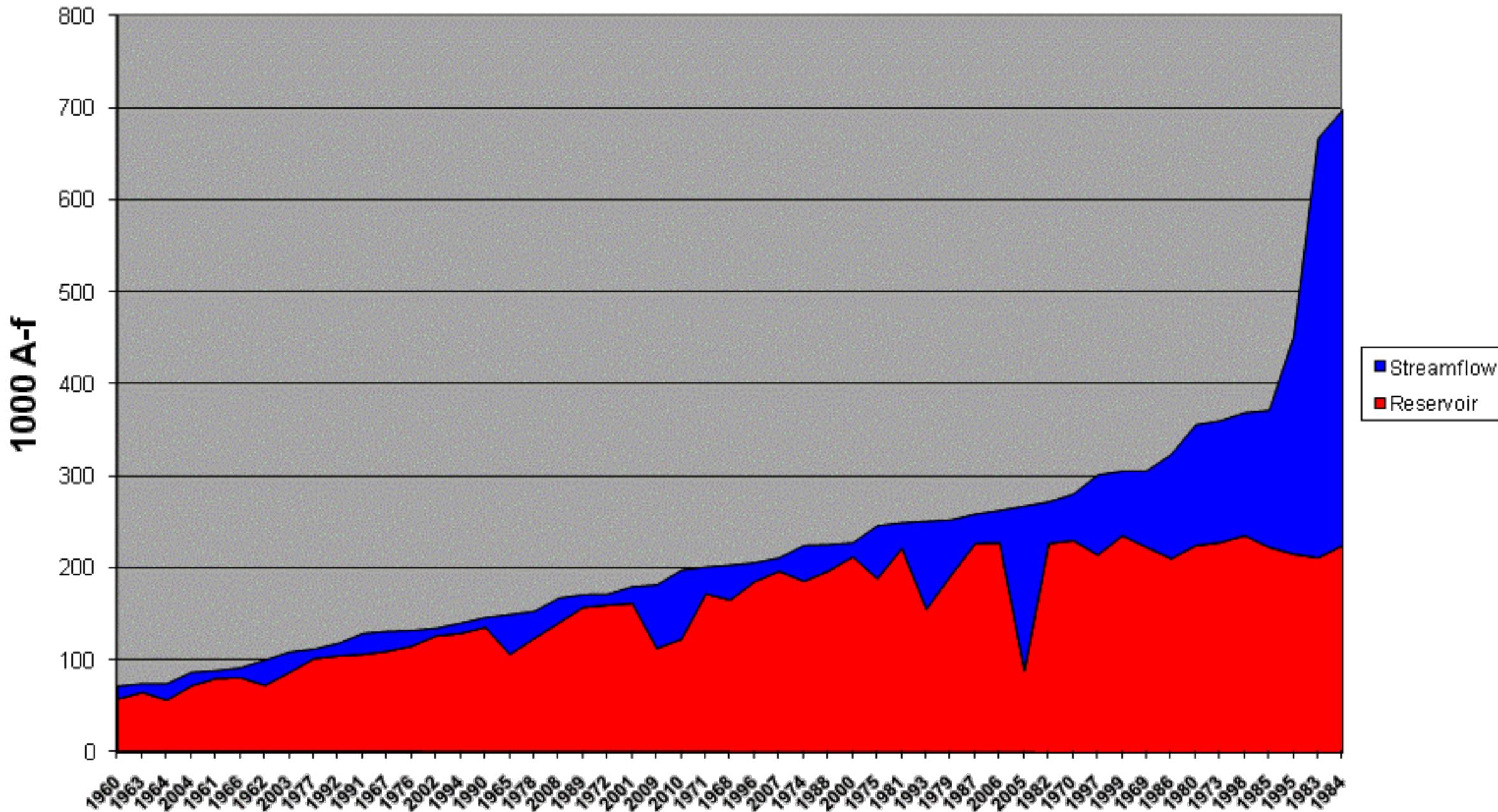
	<b>Lower</b>	<b>Sevier</b>	<b>River</b>	<b>SWSI</b>		
			<b>May</b>			
		<b>EOM April Sevier Bridge Reservoir Storage</b>	<b>May-July Forecast Streamflow - Sevier at Gunnison</b>	<b>Streamflow + Reservoir</b>		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	1960	58.6	14.0	72.6	2	-4.01
2	1963	65.6	9.5	75.1	4	-3.85
3	1964	57.3	17.9	75.2	6	-3.69
4	2004	72.9	14.6	87.5	8	-3.53
5	1961	80.8	8.6	89.4	10	-3.37
6	1966	81.7	10.6	92.3	12	-3.21
7	1962	73.3	27.5	100.8	13	-3.04
8	2003	87.4	22.2	109.6	15	-2.88
9	1977	102.4	10.3	112.7	17	-2.72
10	1992	105.3	13.6	118.9	19	-2.56
11	1991	107	22.8	129.8	21	-2.40
12	1967	110.3	21.8	132.1	23	-2.24
13	1976	116	17.1	133.1	25	-2.08
14	2002	127.3	8.2	135.5	27	-1.92
15	1994	129.9	11.2	141.1	29	-1.76
16	1990	136.5	10.6	147.1	31	-1.60
17	1965	107	43.4	150.4	33	-1.44
18	1978	124.5	29.4	153.9	35	-1.28
19	2008	141.3	26.8	168.1	37	-1.12
20	1989	158.2	13.7	171.9	38	-0.96
21	1972	160.6	11.9	172.5	40	-0.80
22	2001	162.5	18.0	180.5	42	-0.64
23	2009	113.5	69.0	182.5	44	-0.48
24	<b>2010</b>	<b>123.4</b>	<b>75</b>	<b>198.4</b>	<b>46</b>	<b>-0.32</b>
25	1971	172.7	29.2	201.9	48	-0.16
26	1968	166.2	37.8	204.0	50	0.00
27	1996	186.3	20.3	206.6	52	0.16
28	2007	197.4	14.6	212.0	54	0.32
29	1974	186.5	38.9	225.4	56	0.48
30	1988	197.6	28.7	226.3	58	0.64
31	2000	213.1	15.1	228.2	60	0.80
32	1975	189.3	57.6	246.9	62	0.96
33	1981	222.3	27.8	250.1	63	1.12
34	1993	156.2	95.5	251.7	65	1.28
35	1979	192.9	60.4	253.3	67	1.44
36	1987	227.6	31.9	259.5	69	1.60
37	2006	228.3	35.2	263.5	71	1.76
38	2005	89.2	179.0	268.2	73	1.92
39	1982	227.6	45.3	272.9	75	2.08
40	1970	230.8	50.4	281.2	77	2.24
41	1997	215.1	87.1	302.2	79	2.40

May

42	1999	236	70.1	306.1	81	2.56
43	1969	223.4	83.1	306.5	83	2.72
44	1986	211.1	113.2	324.3	85	2.88
45	1980	225.4	131.1	356.5	87	3.04
46	1973	228.6	132.2	360.8	88	3.21
47	1998	236.1	133.5	369.6	90	3.37
48	1985	223.4	148.8	372.2	92	3.53
49	1995	216.0	236.7	452.7	94	3.69
50	1983	212.1	456.1	668.2	96	3.85
51	1984	225.4	473.3	698.7	98	4.01

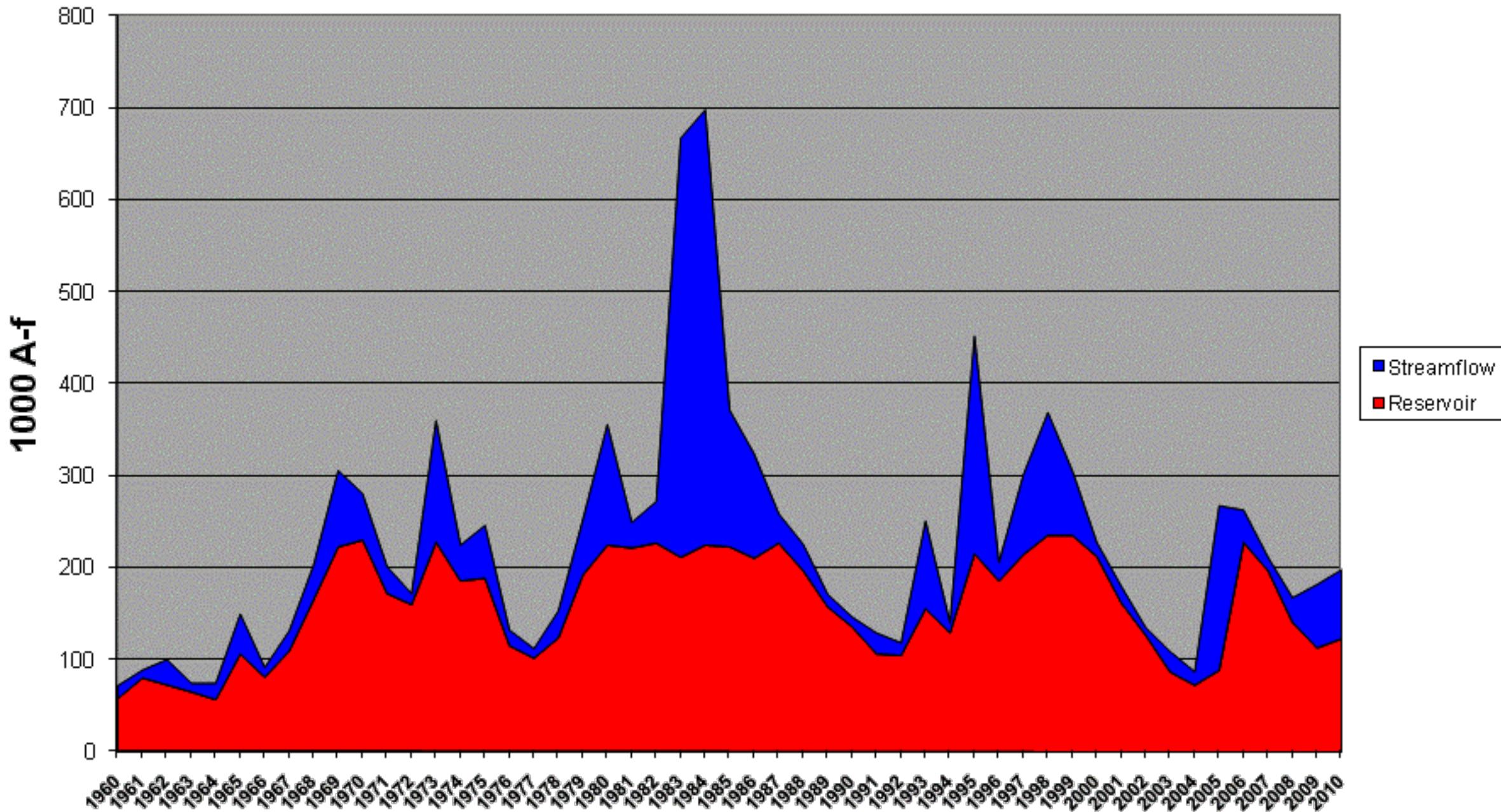
# Lower Sevier River Surface Water Supply Index

## May



# Lower Sevier River Surface Water Supply Index

## May



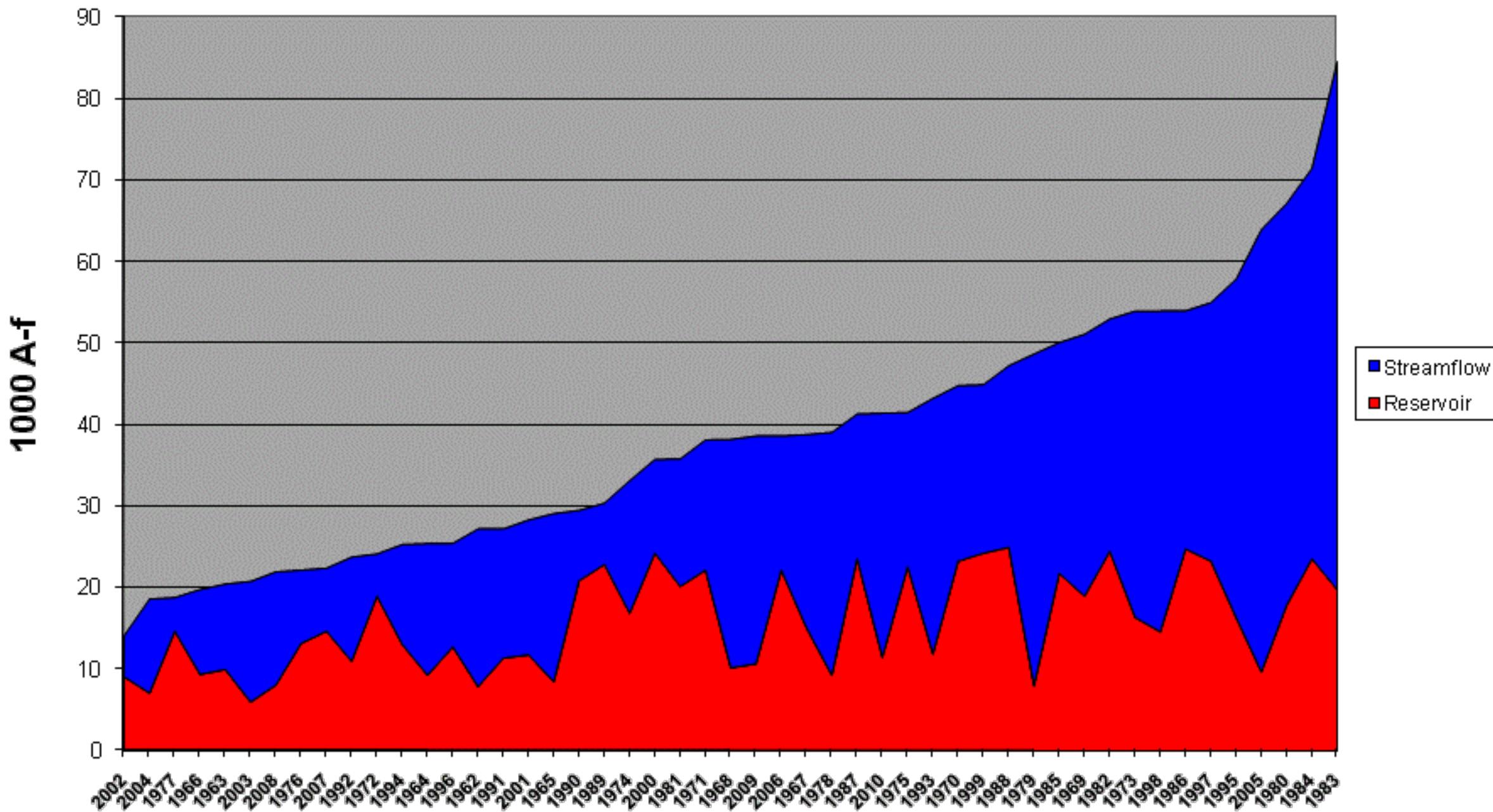
		<b>Beaver</b>	<b>River</b>	<b>SWI</b>		
		<b>May</b>				
		<b>EOM April Minerville Reservoir Storage</b>	<b>May-July Forecast Streamflow - Beaver at Beaver</b>	<b>Streamflow + Reservoir</b>		
#	Year	1000-AF	1000-AF	1000-AF	<b>Probability</b>	<b>SWI</b>
1	2002	9.1	5.1	14.2	2	-4.00
2	2004	7.1	11.6	18.7	4	-3.83
3	1977	14.7	4.2	18.9	6	-3.67
4	1966	9.4	10.4	19.8	8	-3.50
5	1963	10.0	10.5	20.5	10	-3.33
6	2003	6	14.8	20.8	12	-3.17
7	2008	8.1	13.9	22.0	14	-3.00
8	1976	13.2	9.0	22.2	16	-2.83
9	2007	14.7	7.8	22.5	18	-2.67
10	1992	11.0	12.8	23.8	20	-2.50
11	1972	19.0	5.2	24.2	22	-2.33
12	1994	13.1	12.3	25.4	24	-2.17
13	1964	9.3	16.2	25.5	26	-2.00
14	1996	12.8	12.7	25.5	28	-1.83
15	1962	7.9	19.4	27.3	30	-1.67
16	1991	11.4	15.9	27.3	32	-1.50
17	2001	11.8	16.6	28.4	34	-1.33
18	1965	8.5	20.7	29.2	36	-1.17
19	1990	20.9	8.7	29.6	38	-1.00
20	1989	22.9	7.5	30.4	40	-0.83
21	1974	16.9	16.3	33.2	42	-0.67
22	2000	24.3	11.5	35.8	44	-0.50
23	1981	20.2	15.7	35.9	46	-0.33
24	1971	22.2	16.0	38.2	48	-0.17
25	1968	10.2	28.1	38.3	50	0.00
26	2009	10.7	28	38.7	52	0.17
27	2006	22.2	16.5	38.7	54	0.33
28	1967	15.1	23.8	38.9	56	0.50
29	1978	9.3	29.8	39.1	58	0.67
30	1987	23.6	17.8	41.4	60	0.83
31	<b>2010</b>	<b>11.5</b>	<b>30</b>	<b>41.5</b>	<b>62</b>	<b>1.00</b>
32	1975	22.6	19.0	41.6	64	1.17
33	1993	11.9	31.4	43.3	66	1.33
34	1970	23.3	21.6	44.9	68	1.50
35	1999	24.3	20.7	45.0	70	1.67
36	1988	25.0	22.3	47.3	72	1.83
37	1979	8.0	40.8	48.8	74	2.00
38	1985	21.8	28.4	50.2	76	2.17
39	1969	19.0	32.2	51.2	78	2.33
40	1982	24.5	28.6	53.1	80	2.50
41	1973	16.4	37.6	54.0	82	2.67

May

42	1998	14.6	39.4	54.1	84	2.83
43	1986	24.8	29.3	54.1	86	3.00
44	1997	23.3	31.8	55.1	88	3.17
45	1995	16.4	41.6	58.0	90	3.33
46	2005	9.7	54.4	64.1	92	3.50
47	1980	17.9	49.4	67.3	94	3.67
48	1984	23.6	48.0	71.6	96	3.83
49	1983	19.8	64.9	84.7	98	4.00

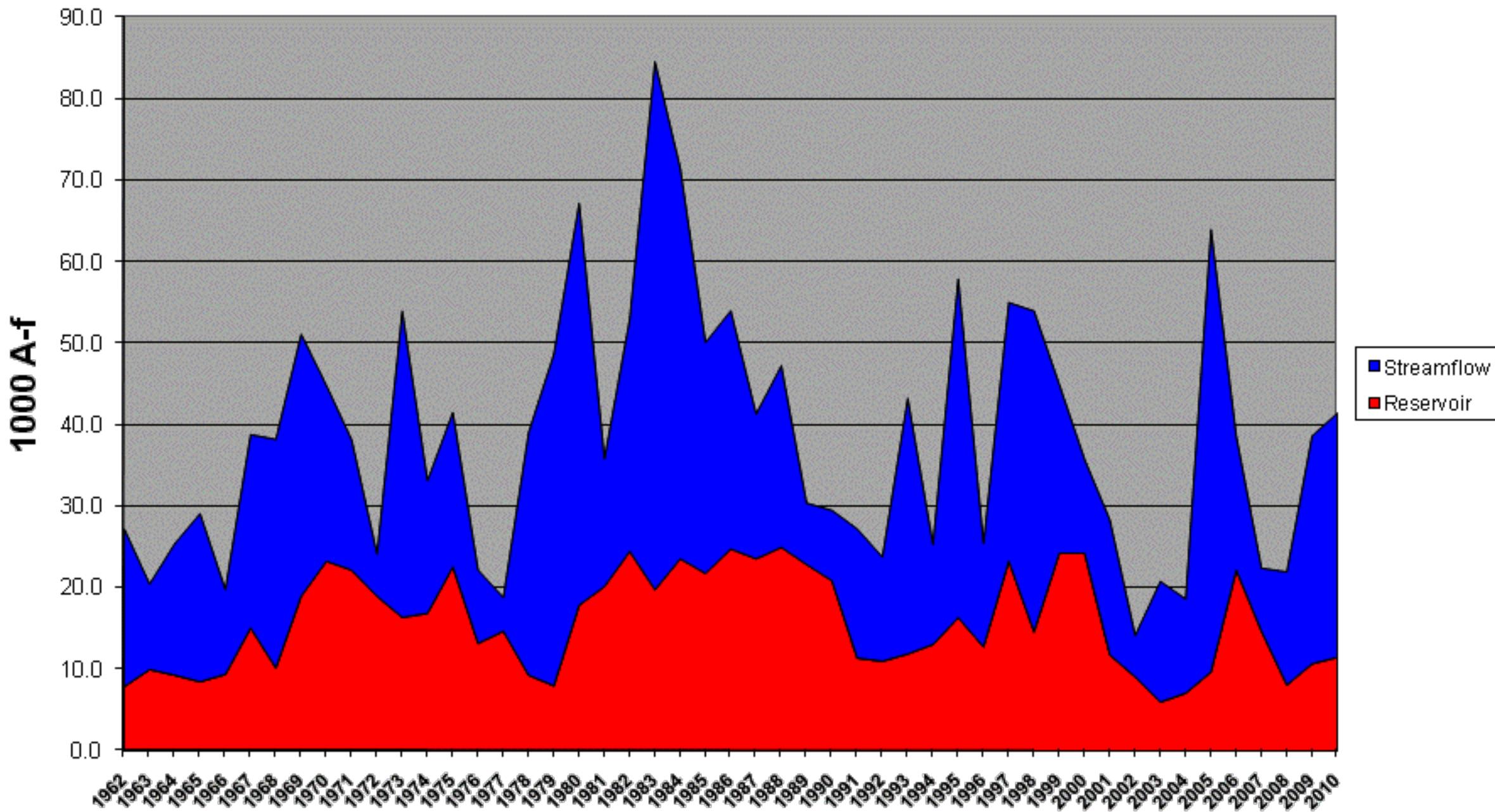
# Beaver River Surface Water Supply Index

## May



# Beaver River Surface Water Supply Index

## May



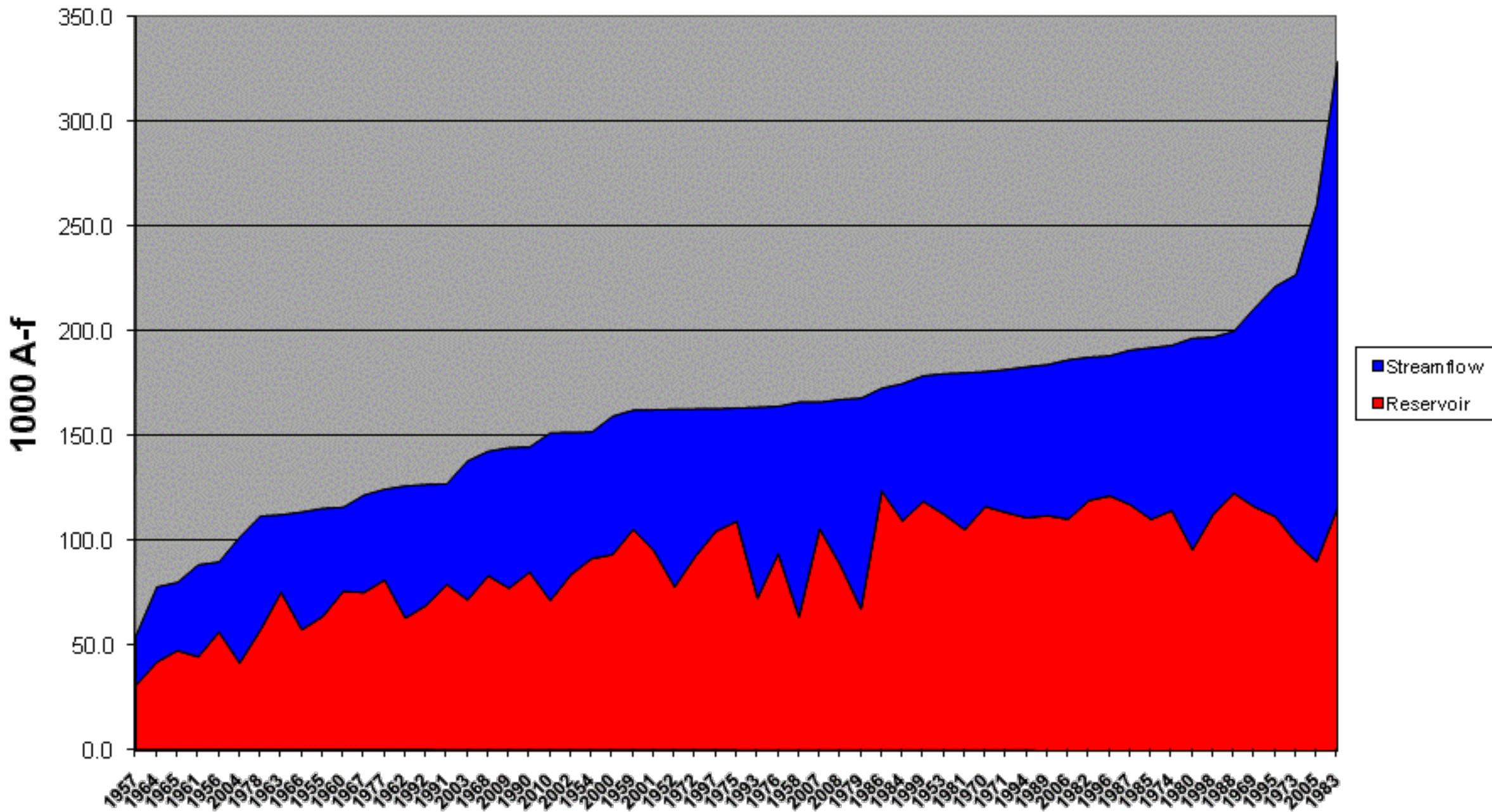
	<b>Upper</b>	<b>Sevier</b>	<b>River</b>	<b>SWSI</b>		
			<b>May</b>			
		EOM April Piute+Otter Creek Reservoir Storage	May-July Forecast Streamflow - Sevier inflow Piute	Streamflow + Reservoir		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	1957	31.6	23.7	55.3	2	-4.03
2	1964	42.6	35.9	78.5	3	-3.89
3	1965	48.1	32.6	80.7	5	-3.75
4	1961	45.1	44.0	89.1	7	-3.61
5	1956	57.0	33.4	90.4	8	-3.47
6	2004	42.2	60.0	102.2	10	-3.33
7	1978	57.9	54.4	112.3	12	-3.19
8	1963	75.9	37.0	112.9	13	-3.06
9	1966	58.1	56.1	114.2	15	-2.92
10	1955	64.3	51.6	115.9	17	-2.78
11	1960	76.4	40.1	116.5	18	-2.64
12	1967	75.8	46.5	122.3	20	-2.50
13	1977	81.8	43.3	125.1	22	-2.36
14	1962	63.6	63.1	126.7	23	-2.22
15	1992	69.6	57.7	127.3	25	-2.08
16	1991	79.7	48.0	127.7	27	-1.94
17	2003	72.3	66.3	138.6	28	-1.81
18	1968	83.8	59.4	143.2	30	-1.67
19	2009	77.9	67.00	144.9	32	-1.53
20	1990	85.5	59.8	145.3	33	-1.39
21	<b>2010</b>	<b>72.0</b>	<b>80.00</b>	<b>152.0</b>	<b>35</b>	<b>-1.25</b>
22	2002	84.4	67.8	152.2	37	-1.11
23	1954	92.0	60.4	152.4	38	-0.97
24	2000	93.9	66.0	159.9	40	-0.83
25	1959	105.9	56.9	162.8	42	-0.69
26	2001	95.8	67.2	163.0	43	-0.56
27	1952	78.5	84.8	163.3	45	-0.42
28	1972	93.1	70.3	163.4	47	-0.28
29	1997	105.1	58.4	163.4	48	-0.14
30	1975	109.7	54.1	163.8	50	0.00
31	1993	73.1	91.1	164.2	52	0.14
32	1976	94.3	70.3	164.6	53	0.28
33	1958	64.2	102.4	166.6	55	0.42
34	2007	106.2	60.44	166.6	57	0.56
35	2008	88.9	79.00	167.9	58	0.69
36	1979	68.0	100.5	168.5	60	0.83
37	1986	124.2	49.0	173.2	62	0.97
38	1984	110.0	65.5	175.5	63	1.11
39	1999	119.3	59.9	179.2	65	1.25
40	1953	113.1	67.1	180.2	67	1.39
41	1981	105.8	74.8	180.6	68	1.53

May

42	1970	116.8	64.4	181.2	70	1.67
43	1971	114.0	68.2	182.2	72	1.81
44	1994	111.5	72.0	183.5	73	1.94
45	1989	112.5	72.0	184.5	75	2.08
46	2006	110.8	76.0	186.8	77	2.22
47	1982	119.7	68.4	188.1	78	2.36
48	1996	121.9	66.8	188.7	80	2.50
49	1987	117.7	73.8	191.5	82	2.64
50	1985	110.7	81.9	192.6	83	2.78
51	1974	114.9	78.8	193.7	85	2.92
52	1980	96.2	100.9	197.1	87	3.06
53	1998	113.2	84.5	197.7	88	3.19
54	1988	123.2	77.3	200.5	90	3.33
55	1969	116.6	94.9	211.5	92	3.47
56	1995	112.1	109.8	221.9	93	3.61
57	1973	99.7	127.7	227.4	95	3.75
58	2005	90.5	170.3	260.8	97	3.89
59	1983	116.1	212.9	329.0	98	4.03

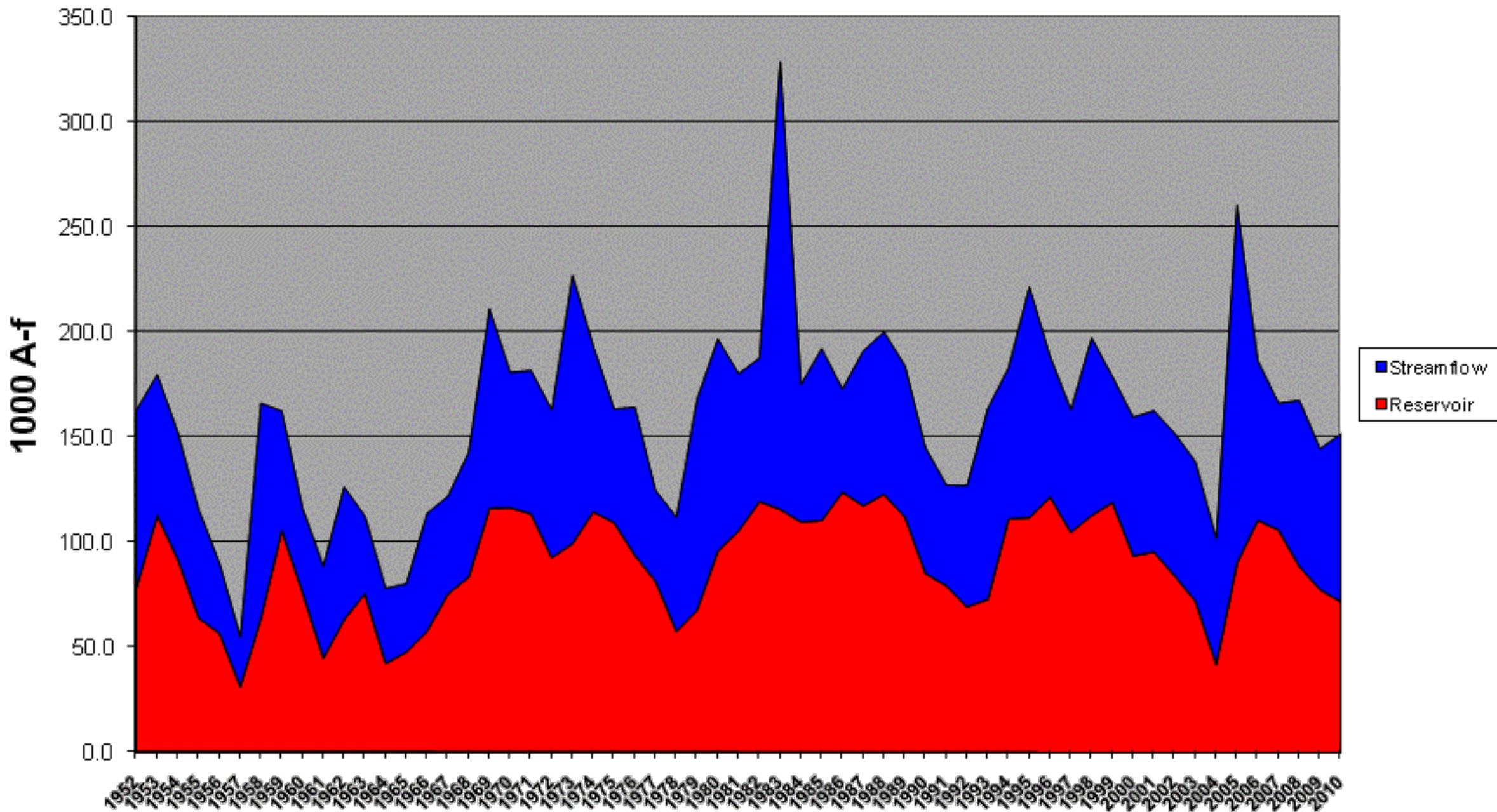
# Upper Sevier River Surface Water Supply Index

## May



# Upper Sevier River Surface Water Supply Index

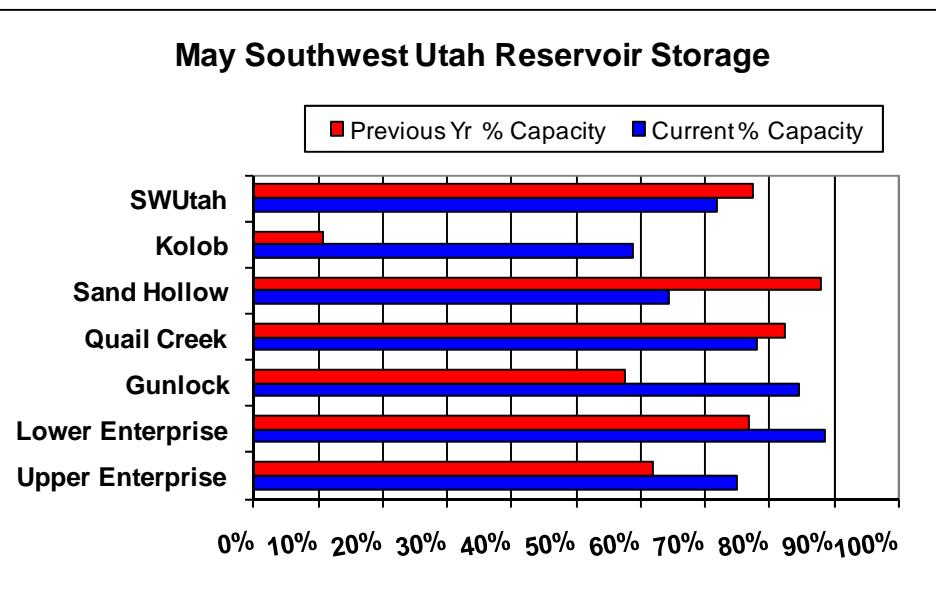
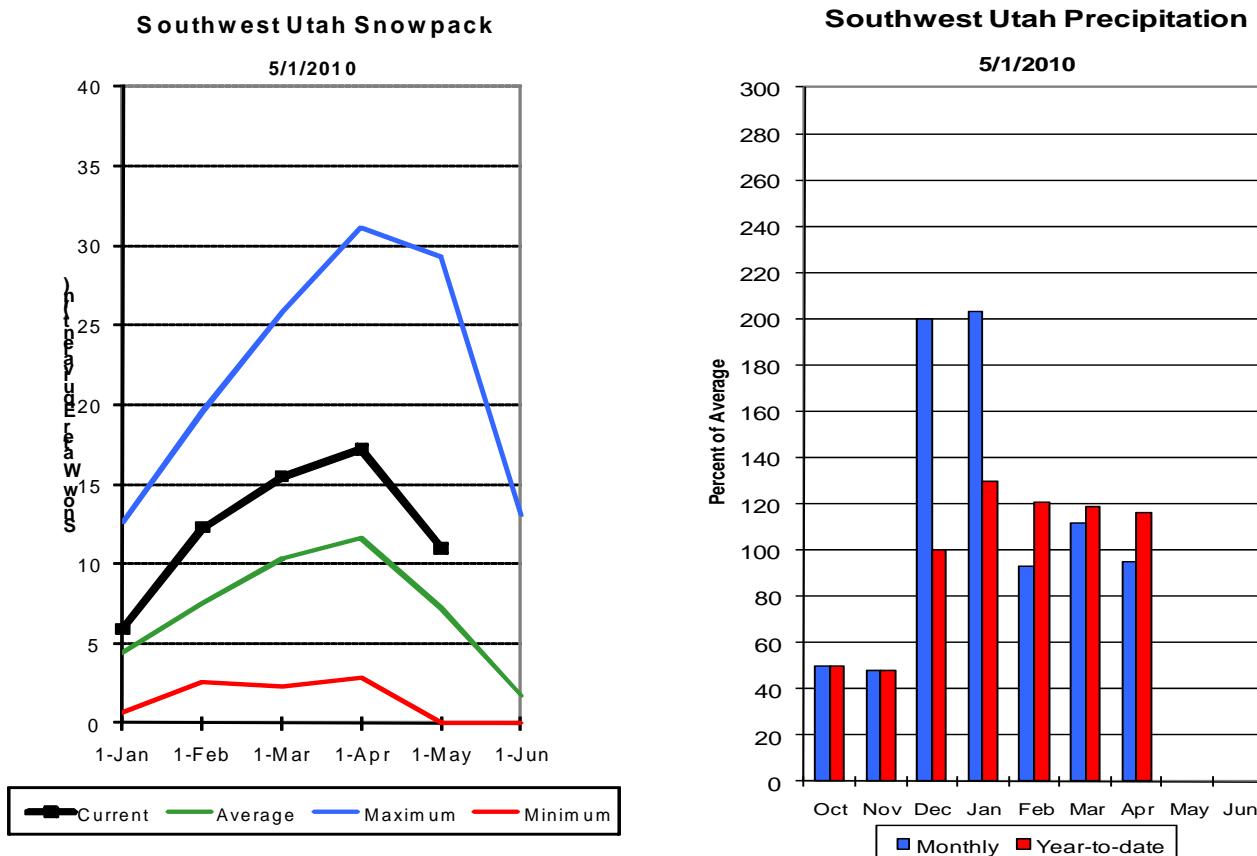
## May



## E. Garfield, Kane, Washington, & Iron Co.

May 1, 2010

Snowpacks in this region are much above normal at 152% of average, which is 233% of last year. Individual sites range from bare at Long Valley, Little Grassy & Harris Flat Snotels, to 249% of average at Webster Flat Snotel. Precipitation during the month of April was near average at 95%, bringing the seasonal accumulation (Oct-April) to 116% of average. The average soil moisture estimate in runoff producing areas is at 70% of saturation within the upper 2 feet of soil, compared to 69% last year. Forecast streamflows (May–July) range from 62% to 122% of average. Reservoir storage is at 72% of capacity, 5% less than last year. The Surface Water Supply Index is at 80%, indicating water supply conditions are much above average.



E. GARFIELD, KANE, WASHINGTON, & IRON Co.  
Streamflow Forecasts - May 1, 2010

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)	
Lake Powell Inflow (2)	APR-JUL	3830	4480	5200	66	5970	6530	7930
	MAY-JUL	2900	3550	4270	62	5040	5600	6940
Virgin River at Virgin	APR-JUL	63	68	72	113	76	81	64
	MAY-JUL	41	46	50	119	54	59	42
Virgin River nr Hurricane	APR-JUL	59	66	72	104	78	87	69
	MAY-JUL	38	45	51	111	57	66	46
Santa Clara River nr Pine Valley	APR-JUL	5.50	6.20	6.70	122	7.20	8.10	5.50
	MAY-JUL	4.20	4.90	5.40	120	5.90	6.80	4.50
Coal Ck nr Cedar City, UT	APR-JUL	19.8	22	23	119	24	26	19.3
	MAY-JUL	15.8	18.3	20	126	22	24	15.9

E. GARFIELD, KANE, WASHINGTON, & IRON Co.  
Reservoir Storage (1000 AF) - End of April

E. GARFIELD, KANE, WASHINGTON, & IRON Co.  
Watershed Snowpack Analysis - May 1, 2010

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
		This Year	Last Year	Avg				
GUNLOCK	10.4	8.8	6.0	4.3	VIRGIN RIVER	5	215	164
LAKE POWELL	24322.0	13782.0	12830.0	---	PAROWAN	2	179	161
QUAIL CREEK	40.0	31.2	33.0	31.6	ENTERPRISE TO NEW HARMONY	2	0	183
UPPER ENTERPRISE	10.0	7.5	6.2	---	COAL CREEK	2	216	174
LOWER ENTERPRISE	2.6	2.3	2.0	115.5	ESCALANTE RIVER	2	572	104
					SOUTHWESTERN UTAH	9	255	152

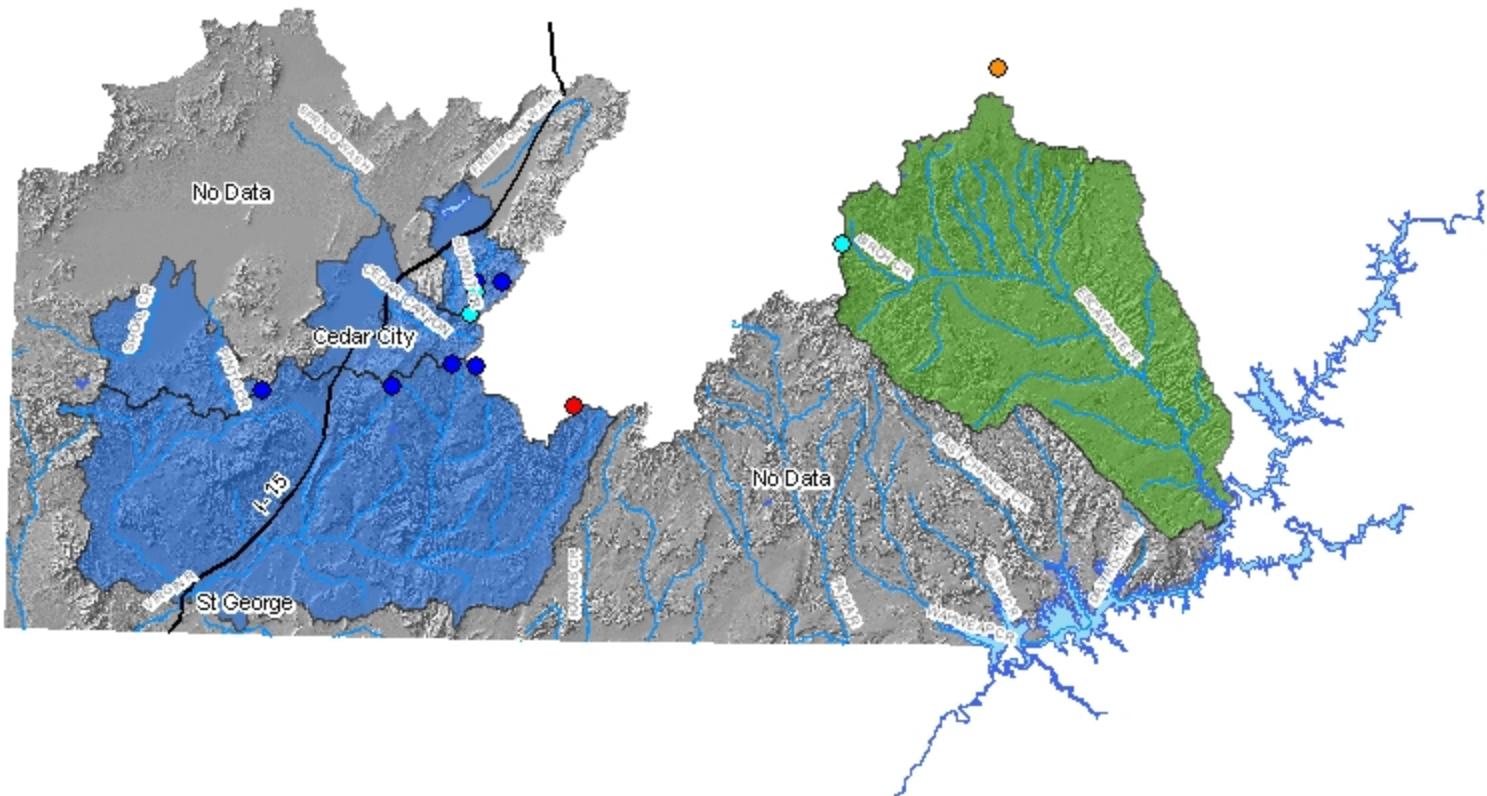
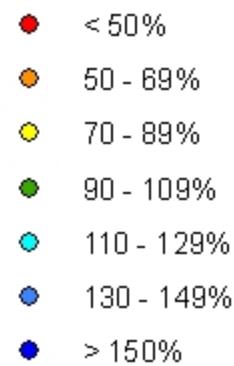
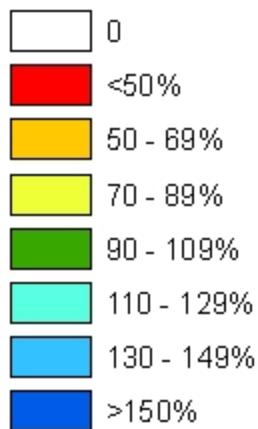
\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

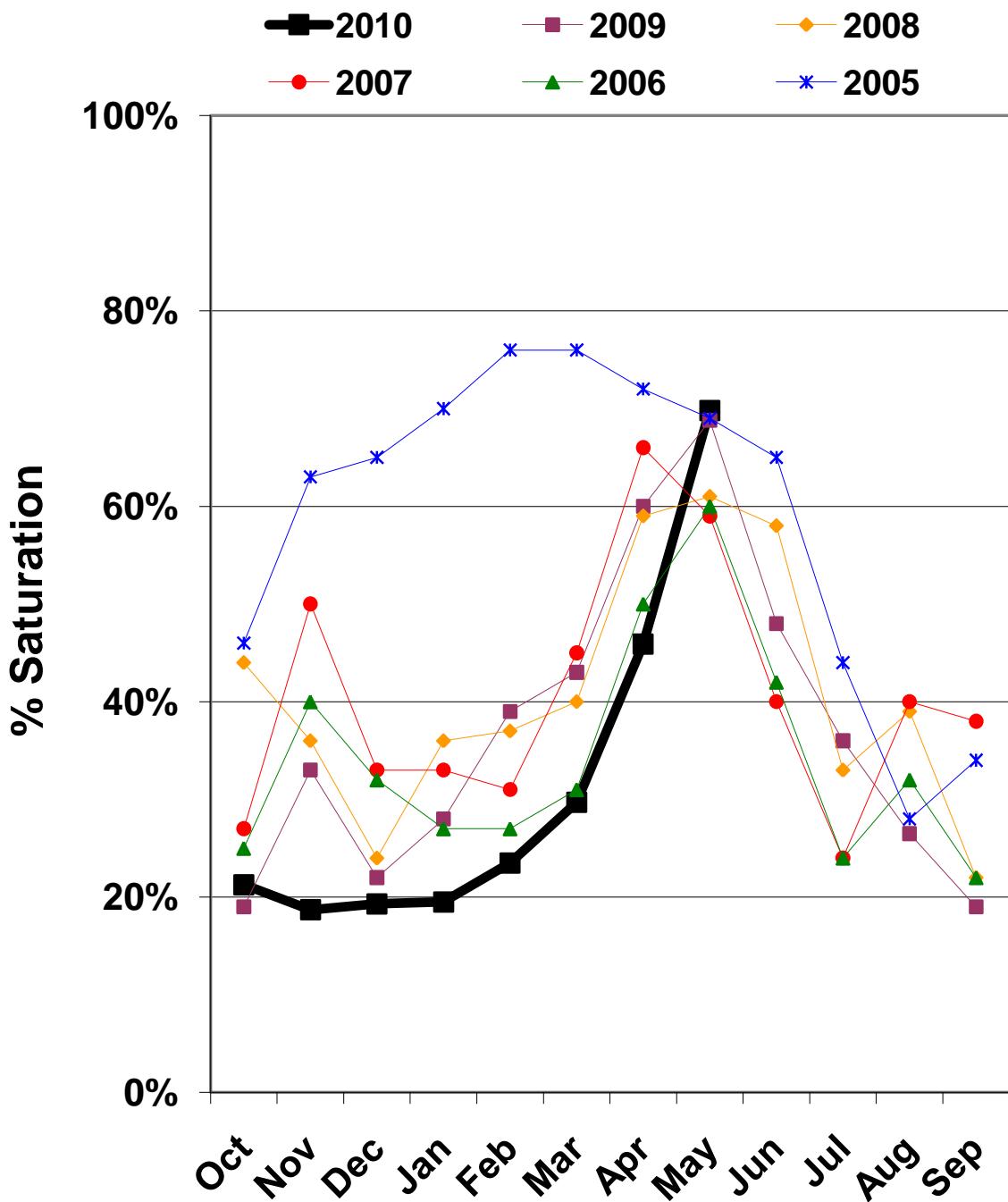
# E. Garfield, Kane, Washington & Iron County

Watershed % of Average      Snotel % of Average



**Basin Average  
156%**

# Southwest Utah Soil Moisture



*Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.*

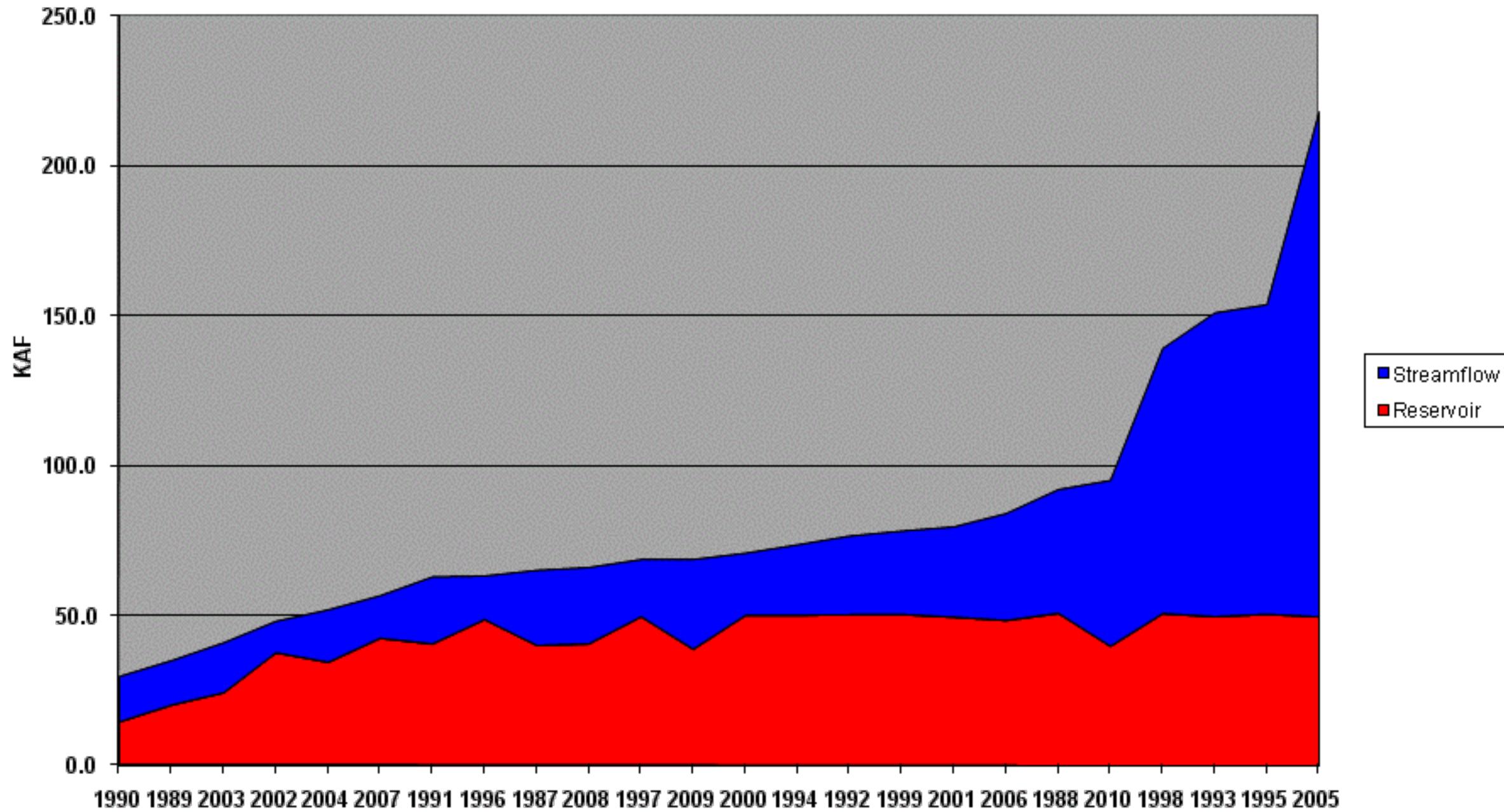
## VIRGIN RIVER BASIN SWSI

**May 1**

#	Year	EOM April Reservoir	May-Jul Streamflow	Reservoir + Streamflow	Probability	SWSI
		KAF	KAF	KAF		
1	1990	14.7	15.2	29.9	4%	-3.83
2	1989	20.3	14.9	35.2	8%	-3.50
3	2003	24.5	16.7	41.2	12%	-3.17
4	2002	37.8	10.5	48.3	16%	-2.83
5	2004	34.6	17.5	52.2	20%	-2.50
6	2007	42.7	14.2	56.9	24%	-2.17
7	1991	40.8	22.4	63.2	28%	-1.83
8	1996	48.9	14.6	63.5	32%	-1.50
9	1987	40.3	25.1	65.4	36%	-1.17
10	2008	40.8	25.5	66.3	40%	-0.83
11	1997	49.8	19.1	69.0	44%	-0.50
12	2009	39.0	30.0	69.0	48%	-0.17
13	2000	50.3	20.8	71.1	52%	0.17
14	1994	50.4	23.5	73.9	56%	0.50
15	1992	50.5	26.3	76.8	60%	0.83
16	1999	50.6	27.9	78.5	64%	1.17
17	2001	49.7	30.2	79.9	68%	1.50
18	2006	48.6	35.7	84.3	72%	1.83
19	1988	51.0	41.4	92.4	76%	2.17
<b>20</b>	<b>2010</b>	<b>40.0</b>	<b>55.4</b>	<b>95.4</b>	<b>80%</b>	<b>2.50</b>
21	1998	50.9	88.6	139.5	84%	2.83
22	1993	49.9	101.5	151.4	88%	3.17
23	1995	50.7	103.5	154.2	92%	3.50
24	2005	49.8	168.8	218.6	96%	3.83

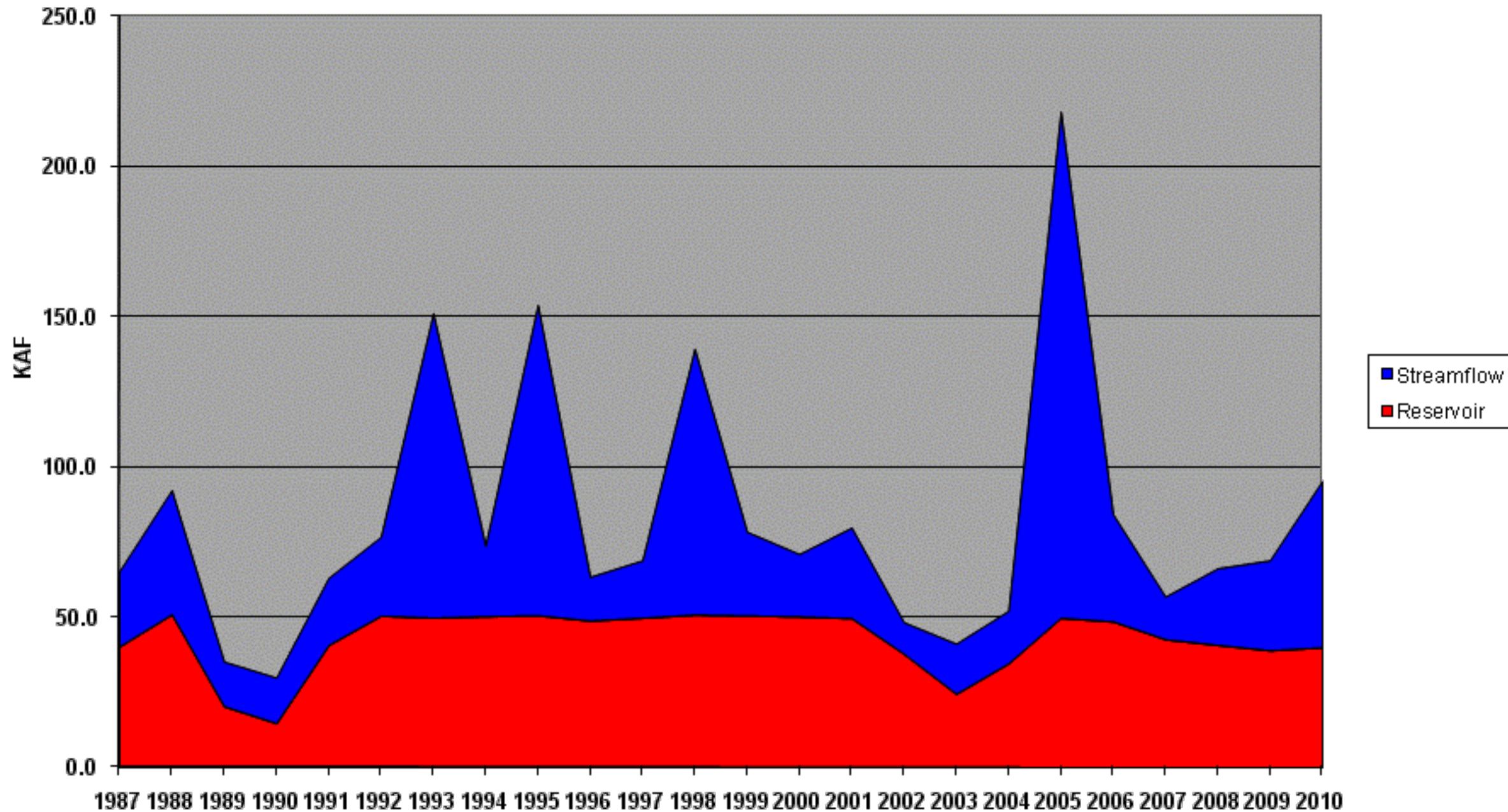
# Virgin River SWSI

## May 2010



# Virgin River SWSI

## May 2010



DATA CURRENT AS OF:05/04/10 09:24:37

SNOW COURSE	ELEV.	DATE	S N O W	C O U R S E	D A T A	LAST YEAR	AVERAGE
			DEPTH	WATER CONTENT	MAY 2010		
AGUA CANYON SNOTEL	8900	5/01	1	.2	.0	1.8	
ALTA CENTRAL	8800	4/27	79	32.5	45.0	36.5	
BEAVER DAMS SNOTEL	8000	5/01	5	.6	.0	4.7	
BEAVER DIVIDE SNOTEL	8280	5/01	25	6.2	.0	3.2	
BEN LOMOND PK SNOTEL	8000	5/01	57	27.2	47.1	37.1	
BEN LOMOND TR SNOTEL	6000	5/01	2	1.6	4.8	6.8	
BEVAN'S CABIN	6450	4/30	12	3.0	3.0	5.0	
BIG FLAT SNOTEL	10290	5/01	68	23.8	24.2	20.9	
BIRCH CROSSING	8100	4/28	3	1.3	1.2	1.4	
BLACK FLAT-U.M. CK S	9400	5/01	17	5.5	.1	7.1	
BLACK'S FORK GS-EF	9340	4/27	18	6.7	6.2	8.6	
BLACK'S FORK JUNCTN	8930	4/27	10	3.6	2.9	6.8	
BOX CREEK SNOTEL	9800	5/01	49	12.8	8.9	10.3	
BRIAN HEAD	10000	4/27	60	25.5	17.9	20.8	
BRIGHTON SNOTEL	8750	5/01	60	19.0	22.1	25.0	
BRIGHTON CABIN	8700	4/27	49	19.0	25.0	23.6	
BROWN DUCK SNOTEL	10600	5/01	40	13.6	16.1	20.1	
BRYCE CANYON	8000	4/26	0	.0	0.0	-	
BUCK FLAT SNOTEL	9800	5/01	37	11.9	15.8	15.6	
BUCK PASTURE	9700	4/27	43	12.8	13.6	16.7	
BUCKBOARD FLAT	9000	4/27	32	12.9	4.5	7.0	
BUG LAKE SNOTEL	7950	5/01	34	11.0	17.8	18.0	
BURT'S-MILLER RANCH	7900	4/27	0	.0	0.0	1.3	
BURTS-MILLER RANCH S	7860	5/01	5	.7	-	-	
CAMP JACKSON SNOTEL	8600	5/01	24	12.8	.0	6.4	
CASCADE MOUNTAIN SNO	7770	5/01	29	9.8	18.0	-	
CASTLE VALLEY SNOTEL	9580	5/01	38	14.3	4.4	7.5	
CHALK CK #1 SNOTEL	9100	5/01	64	21.4	27.0	25.3	
CHALK CK #2 SNOTEL	8200	5/01	36	12.0	15.9	12.0	
CHALK CREEK #3	7500	4/30	1	0.5	0.0	1.8	
CHEPETA SNOTEL	10300	5/01	40	13.3	14.2	12.1	
CLAYTON SPRINGS SNTL	10000	5/01	33	12.0	4.1	-	
CLEAR CK RIDG #1 SNT	9200	5/01	34	11.2	18.8	15.7	
CLEAR CK RIDG #2 SNT	8000	5/01	23	5.3	8.7	7.9	
CORRAL	8200			.5	-		
CURRANT CREEK SNOTEL	8000	5/01	0	.0	.0	2.6	
DANIELS-STRAWBERRY S	8000	5/01	14	4.5	7.2	9.5	
DILL'S CAMP SNOTEL	9200	5/01	17	7.3	4.1	9.4	
DONKEY RESERVOIR SNO	9800	5/01	10	2.4	.0	4.2	
DRY BREAD POND SNTL	8350	5/01	23	6.6	14.7	18.3	
DRY FORK SNOTEL	7160	5/01	18	5.3	8.9	7.7	
EAST WILLOW CREEK SN	8250	5/01	9	2.7	.0	3.0	
FARMINGTON U. SNOTEL	8000	5/01	70	26.1	45.7	31.8	
FARMINGTON L. SNOTEL	6780	5/01	26	9.0	14.7	-	
FARNSWORTH LK SNOTEL	9600	5/01	67	21.8	20.4	21.1	
FISH LAKE	8700	4/27	14	5.9	0.0	5.0	
FIVE POINTS LAKE SNO	10920	5/01	49	17.4	15.6	17.5	
G.B.R.C. HEADQUARTER	8700	4/27	17	6.3	13.3	14.2	
G.B.R.C. MEADOWS	10000	4/27	52	19.3	26.4	25.8	
GARDEN CITY SUMMIT	7600	4/28	25	7.6	11.6	14.7	
GARDEN CITY SUMMIT S	7700	5/01	21	7.0	-	-	
GARDNER PEAK SNOTEL	8350	5/01	31	13.1	2.5	-	
GEORGE CREEK	8840			-	-		
GOOSEBERRY R.S.	8400	4/27	17	6.6	7.3	8.3	
GOOSEBERRY R.S. SNTL	7900	5/01	4	.6	.0	2.7	
GUTZ PEAK SNOTEL	6820	5/01	2	1.1	.0	-	
HARDSCRABBLE SNOTEL	7250	5/01	25	7.1	8.4	6.9	
HARRIS FLAT SNOTEL	7700	5/01	0	.0	.0	1.5	
HAYDEN FORK SNOTEL	9100	5/01	32	7.6	11.3	13.0	
HENRY'S FORK	10000	4/27	30	8.6	11.6	13.6	
HEWINTA SNOTEL	9500	5/01	32	7.1	5.1	9.3	
HICKERSON PARK SNTL	9100	5/01	20	5.7	4.3	5.7	
HIDDEN SPRINGS	5500	4/19	0	0.0	.0	-	
HOBBLE CREEK SUMMIT	7420	4/27	8	2.9	6.0	6.3	
HOLE-IN-ROCK SNOTEL	9150	5/01	10	3.1	4.2	4.7	
HORSE RIDGE SNOTEL	8260	5/01	29	7.6	14.1	17.9	
HUNTINGTON-HORSESHOE	9800	4/27	45	17.4	27.2	24.6	
INDIAN CANYON SNOTEL	9100	5/01	7	1.9	2.1	7.9	
JOHNSON VALLEY	8850	4/27	13	4.7	0.0	3.8	
JONES CORRAL SNOTEL	9750	5/01	36	13.2	11.2	-	
KILFOIL CREEK	7300	4/27	19	6.3	12.8	9.8	
KILLYON CANYON	6300	4/19	0	0.0	.0	-	
KIMBERLY MINE SNOTEL	9300	5/01	47	14.9	12.3	12.5	
KING'S CABIN SNOTEL	8730	5/01	8	3.0	2.8	7.6	

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
KLONDIKE NARROWS	7400	4/28	17	4.9	12.4	13.3
KLONDIKE NARROWS SNO	7300	5/01	22	6.2	-	-
KOLOB SNOTEL	9250	5/01	67	29.3	17.9	18.2
LAKEFORK #1 SNOTEL	10100	5/01	17	7.5	7.2	11.5
LAKEFORK BASIN SNTL	10900	5/01	62	18.9	22.4	22.3
LAKEFORK #3 SNOTEL	8500	5/01	1	.2	-	-
LAKEFORK MOUNTAIN #3	8400				0.0	1.8
LAMBS CANYON	7400	4/30	24	6.0	7.9	8.7
LASAL MOUNTAIN LOWER	8800	4/27	1	.4	.0	4.2
LASAL MOUNTAIN SNTL	9850	5/01	19	5.7	.0	8.7
LIGHTNING RIDGE SNTL	8220	5/01	-	7.0	14.4	-
LILY LAKE SNOTEL	9050	5/01	41	10.5	11.9	11.1
LITTLE BEAR SNOTEL	6550	5/01	0	.0	.0	3.4
LITTLE GRASSY SNOTEL	6100	5/01	0	.0	.0	.0
LONG FLAT SNOTEL	8000	5/01	7	3.3	.0	1.8
LONG VALLEY JCT. SNT	7500	5/01	0	.0	.0	.0
LOOKOUT PEAK SNOTEL	8200	5/01	61	21.1	31.3	20.4
LOST CREEK RESERVOIR	6130	4/27	0	.0	0.0	.0
LOUIS MEADOW SNOTEL	6700	5/01	18	7.1	10.9	-
MAMMOTH-COTTONWD SNT	8800	5/01	37	11.9	16.6	16.0
MERCHANTABILITY SNTL	8750	5/01	37	13.2	11.3	8.1
MIDDLE CANYON	7000	4/30	12	2.2	6.7	7.8
MIDWAY VALLEY SNOTEL	9800	5/01	81	35.2	23.3	23.2
MILL CREEK	6950	4/30	55	17.1	21.4	18.6
MILL-D NORTH SNOTEL	8960	5/01	58	18.9	25.1	21.7
MILL-D SOUTH FORK	7400	4/27	24	10.5	11.6	12.4
MINING FORK SNOTEL	8000	5/01	36	14.3	16.0	18.3
MONTE CRISTO SNOTEL	8960	5/01	51	16.2	27.1	28.3
MOSBY MTN. SNOTEL	9500	5/01	20	6.6	6.7	12.0
MT.BALDY R.S.	9500	4/27	49	19.4	24.8	24.6
MUD CREEK #2	8600	4/27	20	7.1	10.9	8.4
OAK CREEK	7760	4/27	18	7.0	7.4	8.4
PANGUITCH LAKE R.S.	8200	4/27	4	1.4	.0	-
PARLEY'S CANYON SNTL	7500	5/01	27	7.7	7.5	9.3
PARRISH CREEK SNOTEL	7740	5/01	56	17.9	30.3	-
PAYSON R.S. SNOTEL	8050	5/01	19	5.0	11.3	13.3
PICKLE KEG SNOTEL	9600	5/01	37	11.8	14.4	14.1
PINE CREEK SNOTEL	8800	5/01	58	22.5	13.6	21.2
RED PINE RIDGE SNTL	9200	5/01	26	7.9	12.3	13.0
REDDEN MINE LOWER	8500	4/27	26	11.2	18.9	15.6
REES'S FLAT	7300	4/27	2	.6	1.4	7.3
ROCK CREEK SNOTEL	7900	5/01	0	.0	.0	1.4
ROCKY BN-SETTLEMENT SN	8900	5/01	46	18.5	22.8	25.3
SEELEY CREEK SNOTEL	10000	5/01	35	11.2	13.7	15.5
SMITH MOREHOUSE SNTL	7600	5/01	29	8.0	9.7	7.5
SNOWBIRD SNOTEL	9700	5/01	99	38.0	51.8	41.3
SPIRIT LAKE	10300				13.5	14.7
SPIRIT LK SNOTEL	10200	5/01	44	12.3	-	-
SQUAW SPRINGS	9300	4/27	18	7.3	1.4	3.7
STEEL CREEK PARK SNO	10100	5/01	69	17.8	16.8	18.6
STILLWATER CAMP	8550	4/30	14	3.8	5.8	6.8
STRAWBERRY DIVIDE SN	8400	5/01	23	7.3	6.7	11.3
SUSC RANCH	8200	4/28	5	2.1	0.0	2.2
TALL POLES	8800	4/28	32	11.9	10.4	10.9
TEMPLE FORK SNOTEL	7410	5/01	21	5.9	11.8	-
THAYNES CANYON SNTL	9200	5/01	63	21.2	23.4	22.5
THISTLE FLAT	8500	4/27	23	9.5	15.9	-
TIMBERLINE	9100				2.2	-
TIMBERLINE SNOTEL	8680	5/01	3	1.4	.0	-
TIMPANOGOS DIVIDE SN	8140	5/01	34	13.2	19.0	17.6
TONY GROVE LK SNOTEL	8400	5/01	65	23.0	36.4	34.2
TONY GROVE R.S.	6250	4/28	2	.1	2.2	3.2
TONY GROVE RS SNOTEL	6400	5/01	0	.0	-	-
TRIAL LAKE	9960	4/27	47	16.5	25.2	25.2
TRIAL LAKE SNOTEL	9960	5/01	63	19.2	25.5	26.5
TROUT CREEK SNOTEL	9400	5/01	25	7.6	6.7	7.8
UPPER JOES VALLEY	8900	4/27	9	3.3	2.9	5.0
USU DOC DANIEL SNTL	8270	5/01	75	24.4	34.1	-
VERNON CREEK SNOTEL	7500	5/01	10	3.0	1.3	4.5
VIPONT	7670				-	-
WEBSTER FLAT SNOTEL	9200	5/01	34	16.9	.8	6.8
WHITE RIVER #1 SNTL	8550	5/01	9	2.2	2.3	7.7
WHITE RIVER #3	7400	4/27	0	.0	0.0	.5
WIDTSOE #3 SNOTEL	9500	5/01	26	11.9	.5	9.5
WRIGLEY CREEK	9000	4/27	12	4.9	5.2	7.3
YANKEE RESERVOIR	8700	4/28	23	8.6	6.3	6.0

*Issued by*

**David White**  
Chief  
**Natural Resources Conservation Service**  
**U.S. Department of Agriculture**

*Released by*

**Sylvia Gillen**  
State Conservationist  
**Natural Resources Conservation Service**  
**Salt Lake City, Utah**

*Prepared by*

**Snow Survey Staff**  
**Randall Julander, Supervisor**  
**Ray Wilson, Hydrologist**  
**Timothy Bardsley, Hydrologist**  
**Mike Bricco, Hydrologist**  
**Beau Uriona, Hydrologist**  
**Karen Vaughan, Soil Scientist**  
**Bob Nault, Electronics Technician**



YOU MAY OBTAIN THIS PRODUCT AS WELL AS CURRENT SNOW, PRECIPITATION, TEMPERATURE AND SOIL MOISTURE, RESERVOIR, SURFACE WATER SUPPLY INDEX, AND OTHER DATA BY VISITING OUR WEB SITE @:  
<http://www.ut.nrcs.usda.gov/snow/>

Snow Survey, NRCS, USDA  
245 North Jimmy Doolittle Road  
Salt Lake City, UT 84116  
(801) 524-5213



# **Utah Water Supply Outlook Report**

**Natural Resources Conservation Service  
Salt Lake City, UT**

